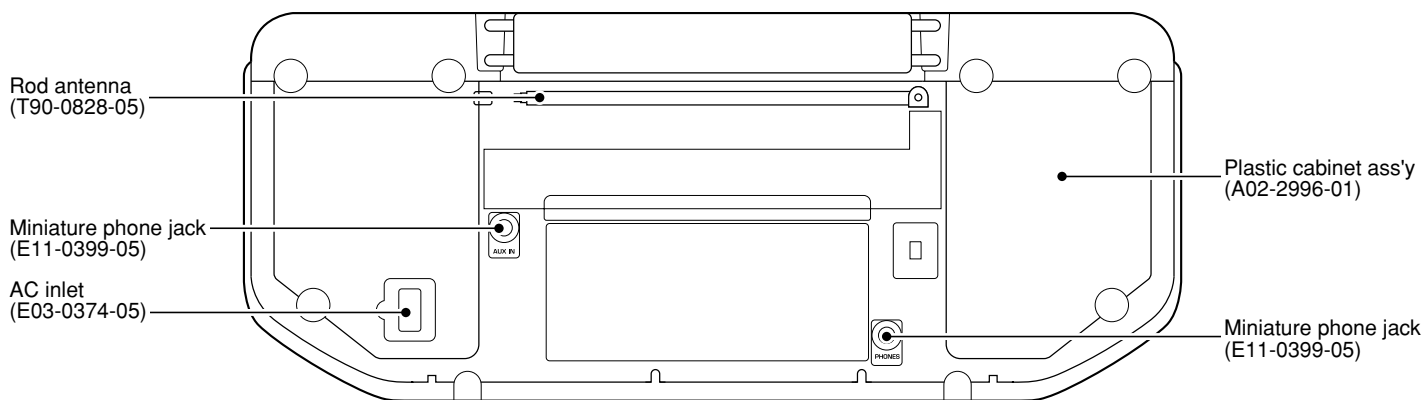
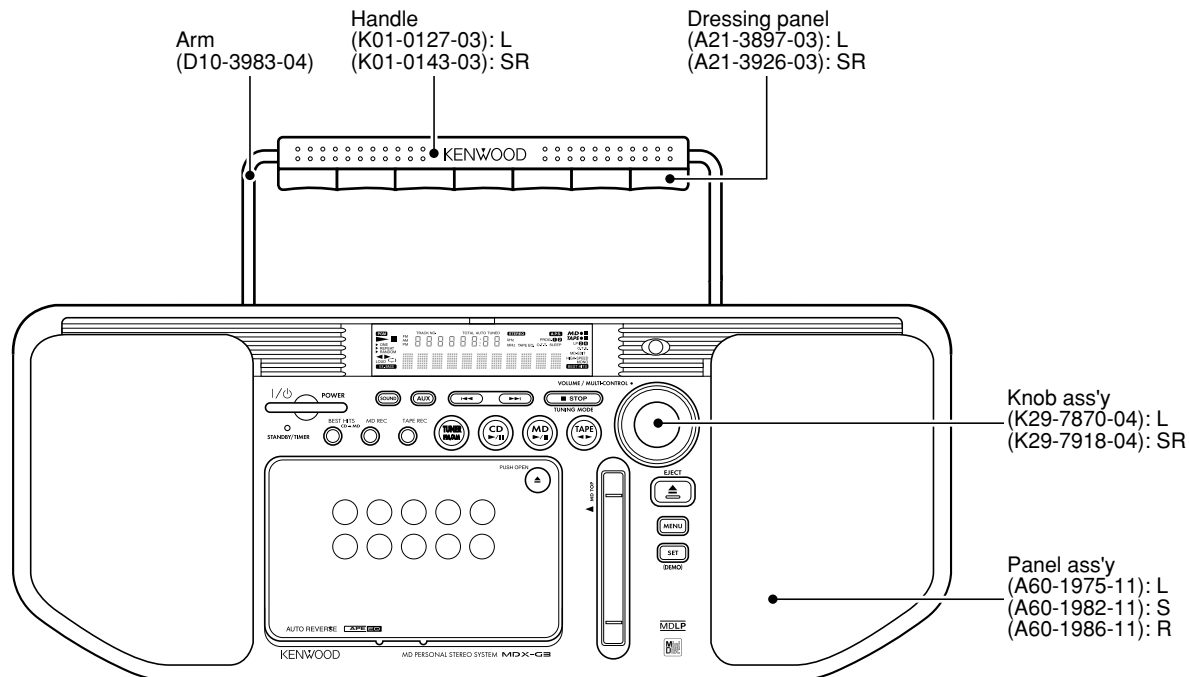


MDX-G3

SERVICE MANUAL



L: BLUE, S: SILVER, R: RED

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Note: Please contact KENWOOD service in your side if you want to get the AC power cord.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.



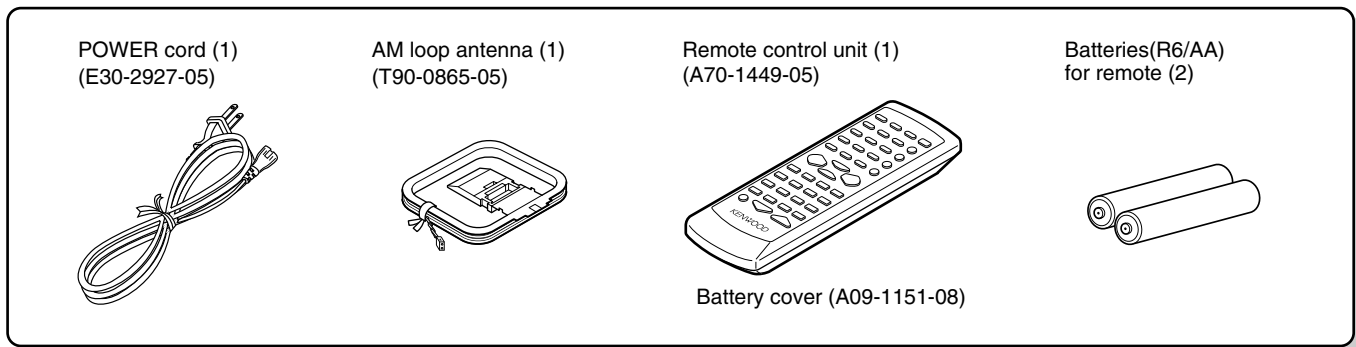
MDX-G3

CONTENTS / ACCESSORIES / CAUTIONS

Contents

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Accessories



Cautions

Operation to reset

The microcomputer may fall into malfunction when a cord is unplugged and plugged again while the unit is ON or due to an external cause. In such a case, the microcomputer should be reset as described below:

Unplug the power cord from the wall outlet and, while holding the POWER key depressed, plug the power cord again. This initializes the microcomputer. Note that this clears the previously stored memory.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Remove the CD or MD from the unit.
2. Press the MD ►/■ key.
3. Wait for some time and verify that the display becomes as shown in the figure.



4. Press the CD ►/■ key.
5. Wait for some time and verify that the display becomes as shown in the figure.



6. Wait a few seconds and turn the unit off.

Memory backup function

Stored contents which are cleared immediately when power plug is unplugged from power outlet.

- Clock display(Backed up for 3 min.)

Stored contents which are cleared in at least a day after power plug is unplugged from power outlet.

● Amplifier section

- Input selection
- Volume control value
- AUX input level
- Tone control levels
- Timer setting contents

● Tuner section

- Receiving band
- Frequency
- Preset stations
- Auto tuning setting

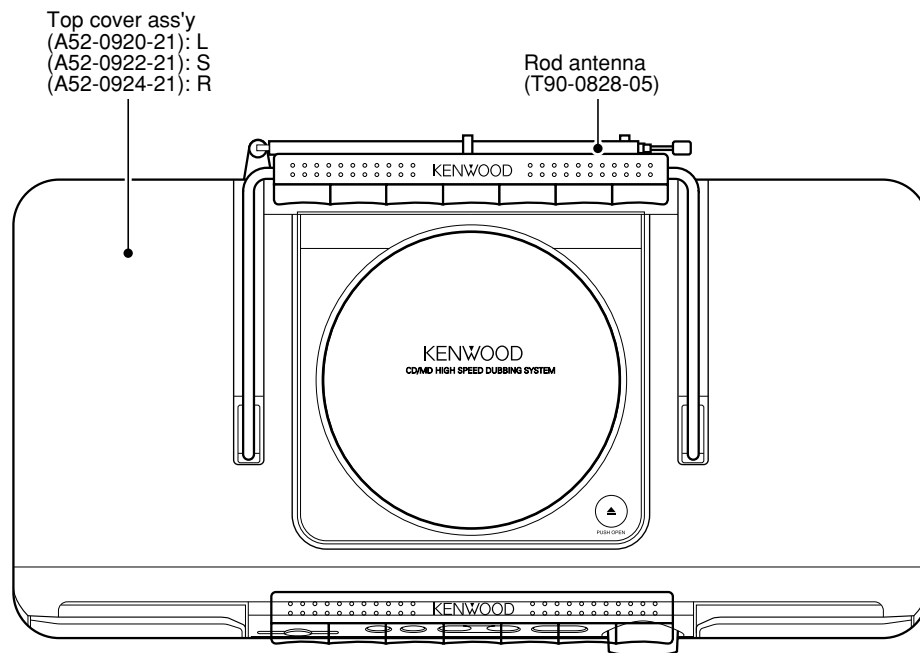
● Cassette deck

- Tape transport direction
- Tape equalizer
- Tape reverse mode

● MD recorder

- Recording mode
- Recording speed

EXTERNAL VIEW

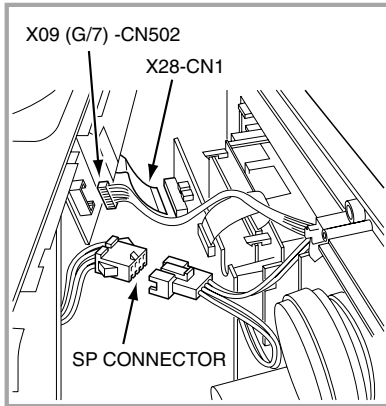


MDX-G3

DISASSEMBLY FOR REPAIR

1. How to Remove Front Panel

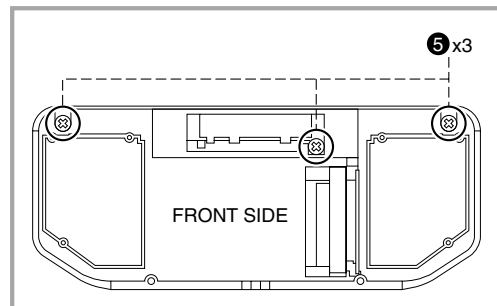
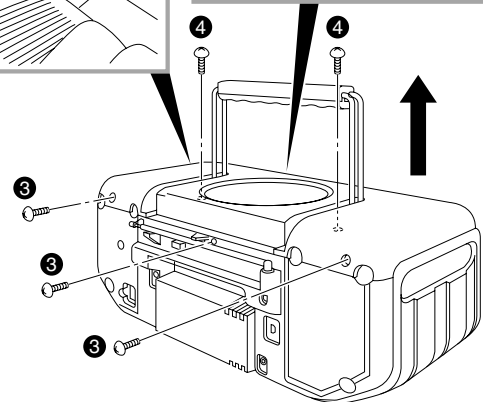
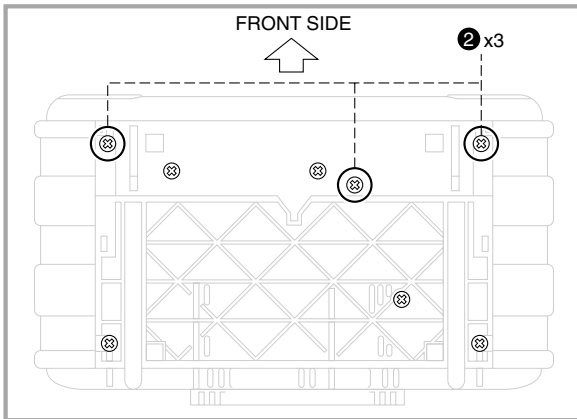
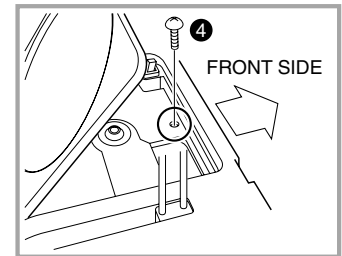
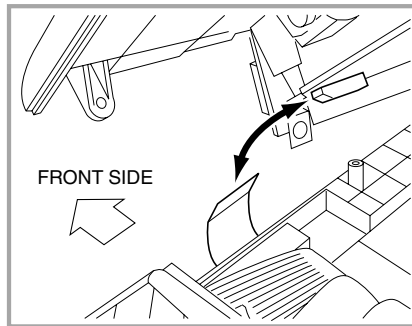
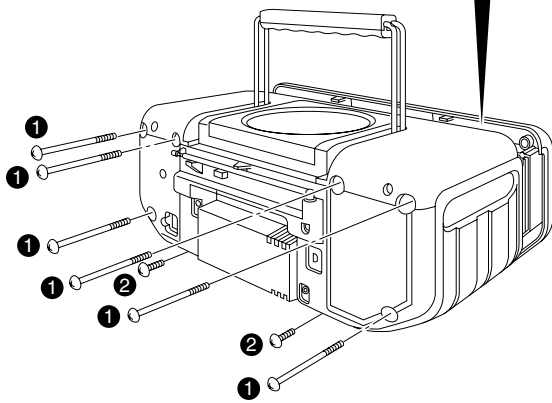
1. Remove 6 screws(❶) from the rear side.
2. Remove 2 screws(❷) from the bottom side.
3. Slide the front panel frontwards and pull out the connectors and FPC.
4. Remove the front panel from the rear cabinet.



2. How to Remove Top Panel

1. Remove 3 screws(❸) from rear side.
2. Remove 3 screws(❹) from top side.
3. Remove 3 screws(❺).
4. Lift the top cover.

Note: You need to pull out FPC on the rear side of top cover.



CIRCUIT DESCRIPTION

1. Initializing

1-1 Initialization Method

- While pressing the [POWER] key, turn the AC on.

1-2 Initialization Operation

- During the initial operation, the display shows "INITIALIZE" and after that it will be returned to standby condition.
- If any mechanisms error occurred, the error indication is displayed as "ERR" on the display.

1-3 Mechanism Initialization

- ① CD Mechanism
 - If a mechanism error occurred, the error indication is displayed as "C ERR" on the display.
- ② Deck Mechanism
 - If a mechanism error occurred, the error indication is displayed as "T ERR" on the display.
- ③ MD Mechanism
 - If a mechanism error occurred, the error indication is displayed as "M ERR" on the display.
 - The disc will be unloaded from MD mechanism automatically, if a disc is its in.

2. Tuner Destination

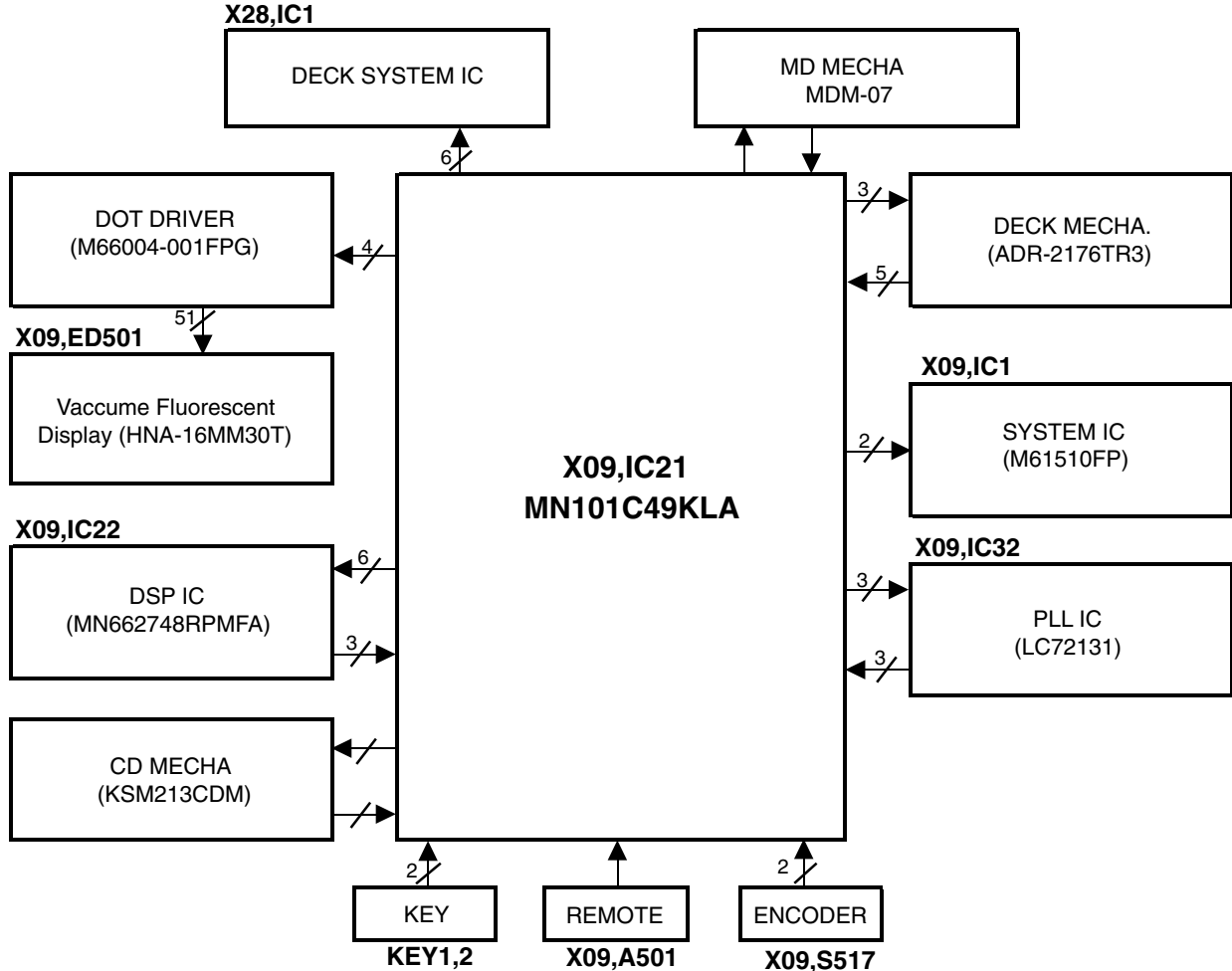
Set	Destination	Band	Receiving Frequency Range	Channel Space	IF	RF
M	E1	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz
M	E1	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz

3. Tuner Preset Frequency

P.CH	Band	Frequency	P.CH	Band	Frequency
1	FM	98.30MHz	16	FM	98.00MHz
2	FM	87.50MHz	17	FM	98.50MHz
3	FM	108.00MHz	18	FM	87.50MHz
4	FM	89.10MHz	19	AM	990kHz
5	FM	90.00MHz	20	FM	97.70MHz
6	FM	87.50MHz	21	AM	531kHz
7	FM	87.50MHz	22	FM	87.50MHz
8	FM	87.50MHz	23	FM	87.50MHz
9	AM	1602kHz	24	FM	87.50MHz
10	AM	999kHz	25	FM	87.50MHz
11	AM	630kHz	26	FM	87.50MHz
12	AM	1440kHz	27	FM	87.50MHz
13	FM	106.0MHz	28	FM	87.50MHz
14	AM	531kHz	29	FM	108.0MHz
15	FM	87.50MHz	30	AM	945kHz

4. Microprocessor : MN101C49KLA(X09,IC11)

4-1 Microprocessor Periphery Block Diagram



CIRCUIT DESCRIPTION

4-2 Key Matrix

Input Voltage Value : 4.6V

Input Voltage(V)	KEY2(Pin7)	KEY1(Pin8)
0.00~0.45	POWER	BEST HITS
0.43~1.10	SOUND	MD REC
1.13~1.78	AUX	TAPE REC
1.81~2.37	SKIP DOWN	TUNER
2.41~2.80	SKIP UP	CD PLAY/PAUSE
2.84~3.25	STOP	MD PLAY/PAUSE
3.29~3.68	MD EJECT	TAPE PLAY
3.72~4.22	MENU	SET/DEMO
4.24~4.60	KEY OFF	KEY OFF

4-3 Voltage Value of Control Port

① Deck Reel Pulse

Input Voltage(V)	Active
0.00~1.94	LOW
1.95~2.91	-
2.92~4.6	HIGH

② Tuner Destination(Pin3)

Input Voltage(V)	Type
0.00~2.50	J(Japan)
2.51~4.6	M(Asia)

③ Voltage Protection(Pin4)

Input Voltage(V)	Protection
0.00~2.50	ON
2.51~4.6	OFF

④ CD Protection(Pin5)

Input Voltage(V)	Protection
0.00~1.49	ON
1.50~3.49	OFF
3.50~4.6	ON

4-4 Port Description of Microprocessor

Port No.	Port Name	I/O	Description	Active	
				H	L
1	GND	—	Connected to ground.		
2	PHOTO	I	Deck reel sensor input.		
3	TYPE	I	Discrimination of tuner destination.		
4	PROTECTION	I	Detection port for power supply protection.		
5	CD PROTECT	I	Detection port for CD protection.		
6	MD BACKV	I	Detection port for MD back up voltage.		
7,8	KEY2,KEY1	I	A/D key (1,2) input.		
9	KEY3	—	Unused.		
10	VREF+	—	A/D reference voltage input for the A/D converter.		
11	VDD	—	Power supply input (+5V).		
12	OSC2	O	Main clock output (8.38MHz).		
13	OSC1	I	Main clock input (8.38MHz).		
14	GND	—	Connected to ground.		
15	XI	I	Timer clock input (32kHz).		
16	XO	O	Timer clock output (32kHz).		
17	GND	—	Connected to ground		
18	MD TXD	O	MD communication TX (to mecha. u-com RX).		
19	MD RXD	I	MD communication RX (to mecha. u-com TX).		
20	NC	-	Unused.		
21	FL SDATA	O	Data output to FL dot driver.		
22	NC	-	Unused.		
23	FL SCLK	O	Clock output to FL dot driver.		
24	FLRESET	O	Reset output to FL dot driver.		Reset
25	FL CE	O	CE output to FL dot driver.		
26	REM	I	Remote control signal input.		
27	MODEL TYPE	I	Discrimination port for model type.	Fixed	
28	CD BLKCK	I	Sub code synchronous signal input.		
29	RDSCLK	-	Unused.		
30,31	ENC A,B	I	Volume encoder (A/B) input.		
32	VDD2	-	Microcomputer power supply (+5v).		
33	RESET	I	Reset signal input for microcomputer.		Reset
34	CE	I	Back up detection input.	AC On	AC Off
35	OP/CL SW	I	Input port of detection switch for CD open/close.		
36	SLTSW	I	CD start switch input.		
37	XRST	O	CD DSP reset output.		Reset
38~40	NC	-	Unused.		

CIRCUIT DESCRIPTION

Port No.	Port Name	I/O	Description	Active	
				H	L
41	VPP	-	Microcomputer power supply (+5v).		
42	MDATA	O	CD DSP command data output.		
43	STAT	I	CD DSP status signal input.		
44	MCLK	O	CD DSP command clock signal output.		
45	MLD	O	CD DSP command load signal output.		
46	SUBQ	I	CD sub code input.		
47	SQCK	O	Clock output for CD sub code.		
48	EEP SDA	-	Unused.		
49	EEP SCL	-	Unused.		
50	HI SPEED	-	Unused.		
51	OPEN	-	Unused.		
52	CLOSE	-	Unused.		
53	MD CE	I	Detection port for MD back up.		
54	MD RST	I	Reset output from MD mechanism.		
55	INI MD SW	I	Unused.		
56	BACK CHK	-	Unused.		
57	BACK ON	-	Unused.		
58	MD IN SW	I	Load switch input for MD disc.		
59	NC	-	Unused.		
60	PLAY SW	I	Detection switch input of head position for deck.		
61	CrO2 SW	-	Unused.		
62	HALF SW	I	Cassette half switch input.		
63	REC F SW	I	Deck forward recording switch input.	OFF	ON
64	CPM	O	Control port of capstan motor for deck.		
65	REC R SW	I	Deck reverse recording switch input.	OFF	ON
66	SOL	O	Control port of solenoid for deck.		
67	LMUTE	O	Deck line mute control.	ON	
68	A/B-1	O	Deck recording mute & head select control 1.		
69	A/B-2	O	Deck recording mute & head select control 2.		
70	B I / II	-	Unused.		
71	NOR	-	Unused.		
72	BIAS	O	Control port of bias on/off for deck.	ON	OFF
73	R/P	O	Deck recording & playback changeover.	Recording	Playback
74	BEAT_C	O	On/off control port of beat cancel for deck.	ON	OFF
75	NC	O	Unused.		
76	EVCLK	O	Sound controller clock output.		
77	EVDATA	O	Sound controller data output.		
78	ST	-	Unused.		
79,80	NC	-	Unused.		
81	LED STBY GRN	O	Standby led(green) control port.	OFF	ON
82	LED STBY RED	O	Standby led(red) control port.	OFF	ON
83,84	NC	-	Unused.		
85	CD POWER	O	CD DSP power on/off changeover control.	ON	OFF
86	AMP ON/OFF	O	On/off control port for amplifier circuit.		
87	AMUTE	O	Audio mute output.		
88	POWER	O	Power relay control.		
89~92	NC	-	Unused.		
93	ST	I	Stereo detector input.		
94	SD	I	SD detector input.		
95	GND	-	Connected to ground.		
96	PLL DATA	O	PLL IC data output.		
97	PLL CLK	O	PLL IC clock output.		
98	PLL DO	I	PLL IC data input.		
99	PLL CE	O	PLL IC chip enable output.		
100	DAVDD	I	D/A converter positive voltage.		

CIRCUIT DESCRIPTION

5. Test Mode

5-1 Setting method of the Test Mode

TEST MODE	SETTING METHOD
CD MODE	CD PLAY Key + AC-ON
MD MODE	MD PLAY Key + AC-ON
DECK MODE	TAPE PLAY/REVERSE Key + AC-ON
*SUB CLOCK OSC DIAGNOSIS	STOP Key + AC-ON

* The oscillation diagnosis(existence of oscillation and measurement of period) of a sub clock is performed before the test mode is entered. If the diagnosis result is OK, the system enters the test mode.

If the diagnosis result is NG, the oscillation of the sub clock is diagnosed again. If the result is OK, the system enters the test mode. If the diagnosis result is continuously NG 5 times, the system stops with "ERR1"and "ERR2"displayed.

5-2 Cancel of the test mode

- By turning the AC off, the system is initialized and the test mode is canceled.
- Cancel the test mode only if the power switch is turned off.

5-3 Contents of the Test Mode

- The muting during mode selection is not controlled in the test mode.
- During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the main body, specifically as shown in the next page.

5-4 CD Test Mode

KEYS	DISPLAY	OPERATION
CD-PLAY/PAUSE (Cyclically changed the mode 05 and 03 by pressing the key.)	05 * * : * *	Tracking-servo on.
	(* * : * *) Time Display	
CD STOP (Cyclically changed in the stop mode only.)	03 * * : * *	Tracking-servo off.
	(* * : * *) Time Display	
	01 --:--	Stop the CD operation.
	07 FG/FE	Adjustment value/mean value
	08 FB/FO	FG value /FE value
SKIP UP SKIP DOWN	09 TG/TE	FBAL value /FO value
	10 TB/TO	TG value /TE value
SKIP UP SKIP DOWN	Ex.01~02	TBAL value /TO value
	Ex.02~01	Track No up.
SKIP UP SKIP DOWN	Normal Indication	Track No down.
	Normal Indication	Play the first track No in the stop mode.
BEST HITS		Play the last track No in the stop mode.
SOUND		CD FF search.
		The pickup travels outward in the stop mode.
SOUND		CD FB search.
		The pickup travels inward in the stop mode.

5-5 Deck Test Mode

KEYS	DISPLAY	OPERATION
TAPE REC	TAPE	*4 Seconds Recording If the REC/ARM key is pressed, the system record for 4 seconds. Then, it rewinds to the REC starting position and plays back automatically. If the REC/ARM key is pressed, during the 4 seconds REC operation, the system records further for 4 seconds, then returns to the starting position of the first 4 seconds REC operation and plays back.
SOUND	Beat-C ON	Beat cancel will be on while pressing the sound key.
MENU	NORMAL INDICATION	Changeover the EQ. on/off cyclically.

CIRCUIT DESCRIPTION

* Mechanism half switches indication The mechanism half switches status are indicated "blank" or "E "on the display.

7th Dot(Display)	1st figure	2nd figure	3rd figure	4th figure
Mechanism Half Switch	FWD REC Inhibit Detection SW	RVS REC Inhibit Detection SW	CrO2(TYPE II) Detection SW	Cassette Half Detection SW
ON	Blank	Blank	Blank	Blank
OFF	E	E	E	E

5-6 MD Test Mode

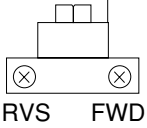
KEYS	DISPLAY	OPERATION
BEST HITS	Normal Indication	Hi-speed O.T.E.(CD→MD) operation in the stop mode.
	FF	MD FF search in the play mode.
SOUND	DIGITAL or ANALOG	The digital and analog can be changed cyclically by pressing the "SOUND" key.
	FB	MD FB search in the play mode.
STOP	01 -- : --	Stop the MD operation.
MD REC	Normal Indication	Start the MD recording with LP4 mode.
SET	ALL ERASE	Stop the MD operation and start operation of ALL- ERASE if disc is recordable.

MDX-G3

ADJUSTMENT

Cassette Deck adjustment

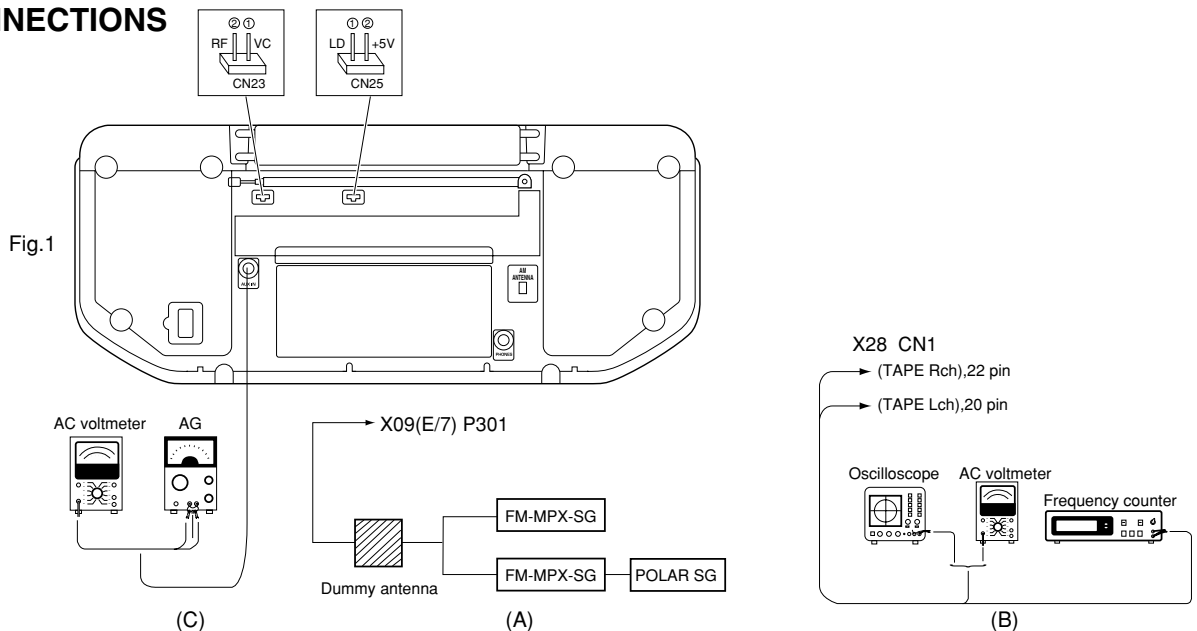
0dBs=0.775V

No	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
I . CASSETTE MECHANISM UNIT							
< 1 >	Demagnetization and cleaning	-	-	Demagnetization: POWER OFF Cleaning: PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly dampened with alcohol.	
< 2 >	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, - 10dB	(B)	PLAY		Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.	Fig.1
< 3 >	TAPE SPEED (NORMAL)	TCC-110 MTT-111 SCC-1727 3kHz	(B)	PLAY	Trimming pot in the motor.	Check the tape speed so that 3kHz(±2%) is obtained at the center of the tape.	Fig.1
II . PC BOARD ADJUSTMENT							
< 1 >	BIAS CURRENT	(C) Connect the AG to jack. 400Hz: - 20dBs 12.5kHz: - 20dBs	(B)	REC and PLAY	VR 1 (L) VR 2 (R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the same.	

Tuner adjustment

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION :		SELECTOR : FM					
1	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±75kHz dev. 37.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR301 (X09)	Adjust VR1 and stop at the point where ED501(TUNED) goes on.	Fig.1

SYSTEM CONNECTIONS



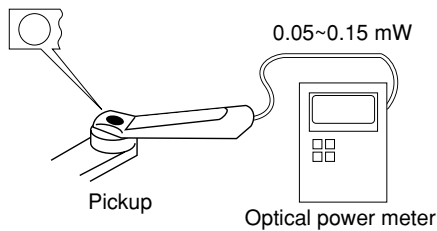
ADJUSTMENT

CD player check

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
Step 1~2 are in TEST MODE TEST MODE : While pressing the [CD PLAY/PAUSE] key, turn power on.							
1	LASER POWER	-	Set the sensor section of the optical power meter on the pickup lens.	Short circuit OPEN/CLOSE SW. Press the "PLAY" key to check that the display is "03".	-	On the power from 0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	LASER CURRENT	Test disc Type 4	Connect the DC voltmeter to CN25(#1 and #2) in X09	Press the "PLAY" key to check that the display is "03" or "05"	-	220mV to 550mV	

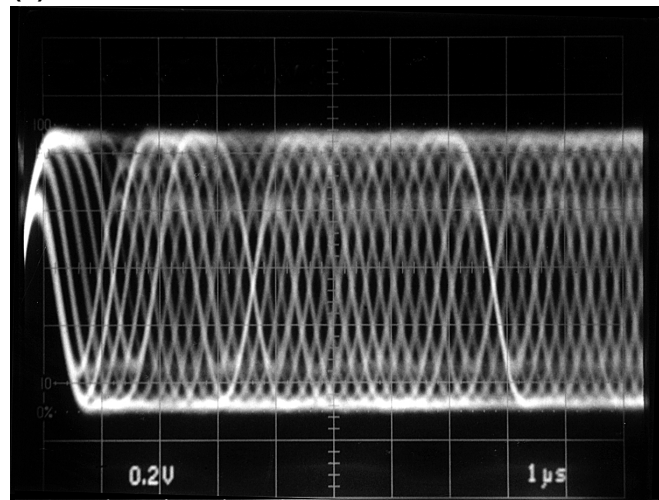
Note:
 Type 4disc :SONY YEDS-18 Test Disc or equivalent. (KTD-02)
 LPF : Around 47kΩ + 390pF or so.

(a) Laser Power



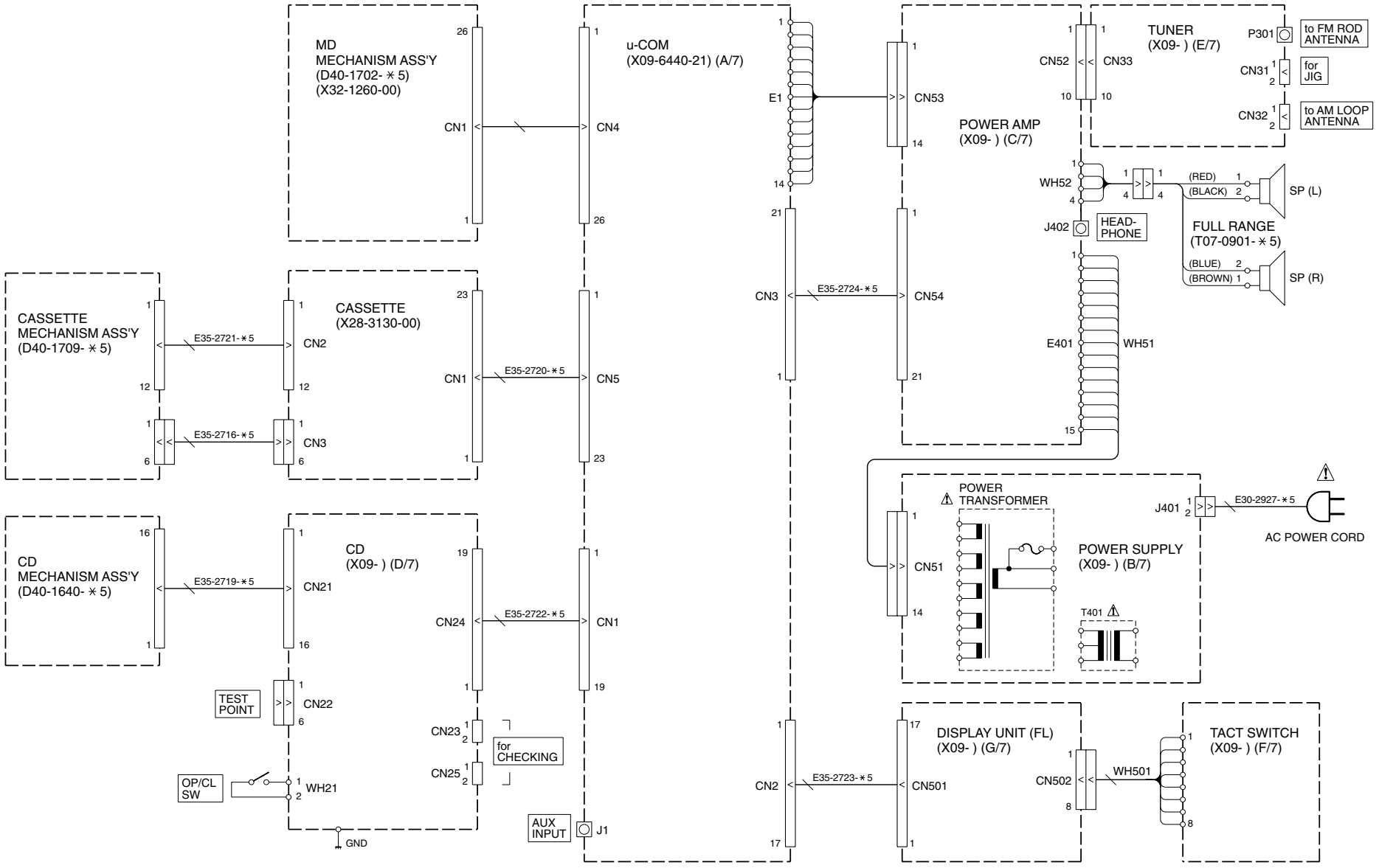
(d)

RF signal: AC coupled



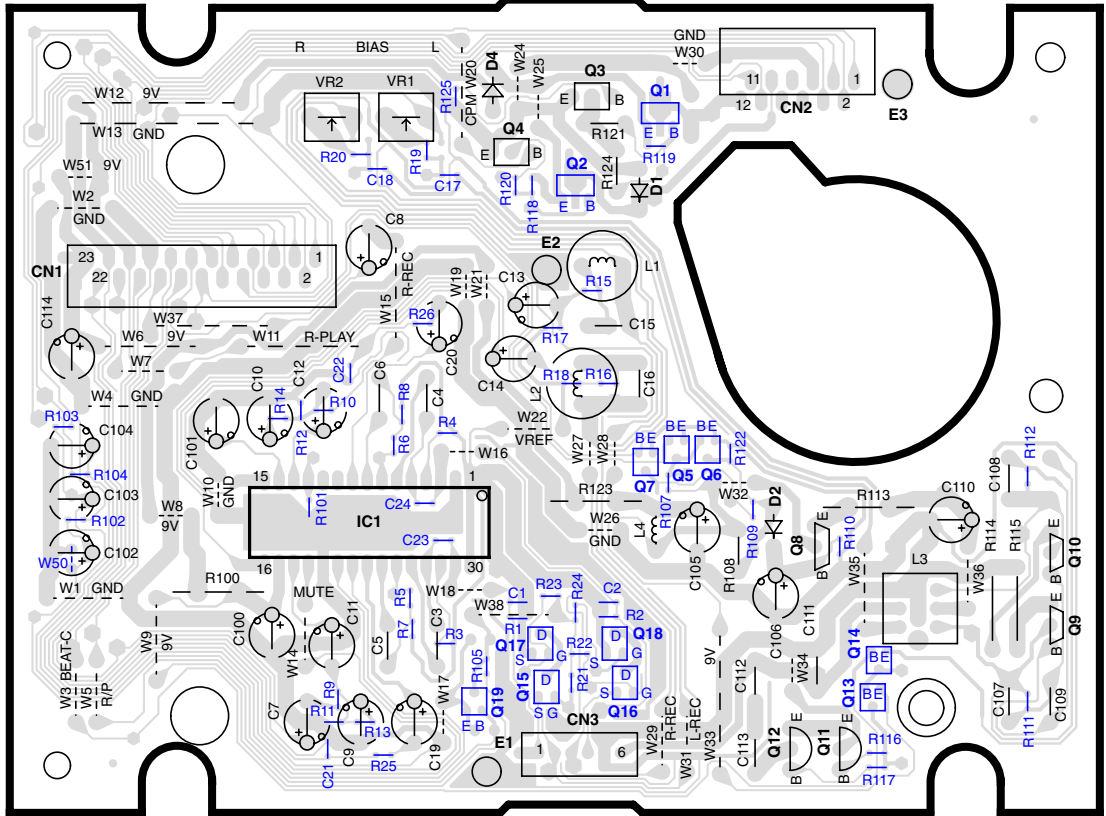
- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

WIRING DIAGRAM

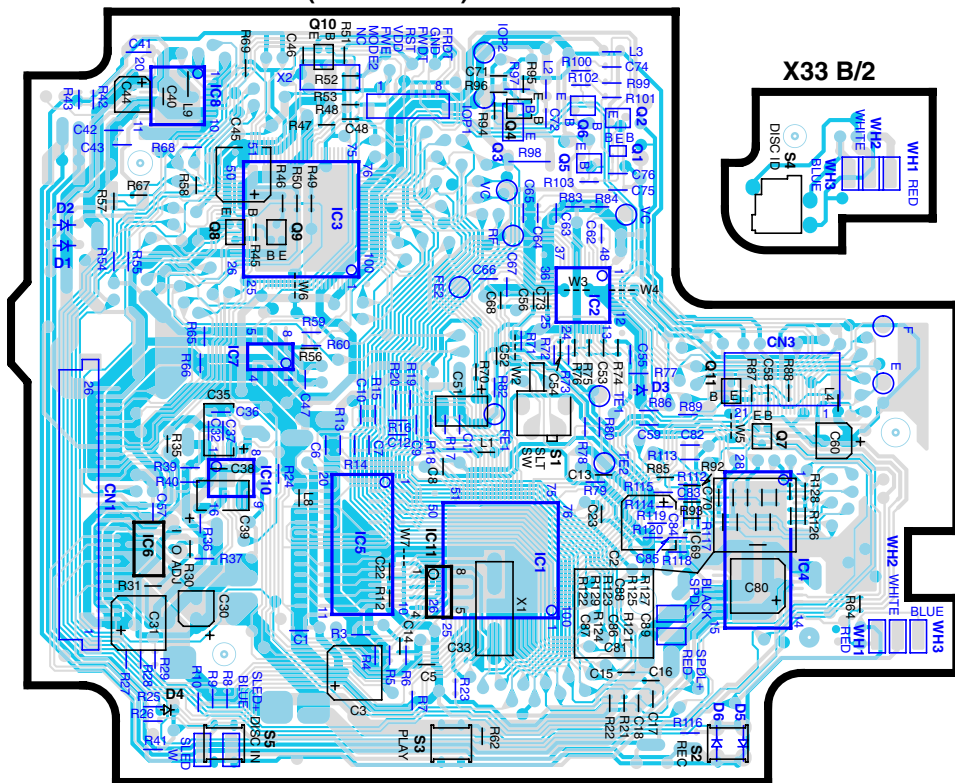


PC BOARD (Component side view)

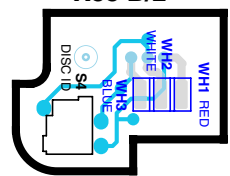
X28-3130-00 (J70-1471-11)



X33-1260-00 A/2 (J70-1452-02)

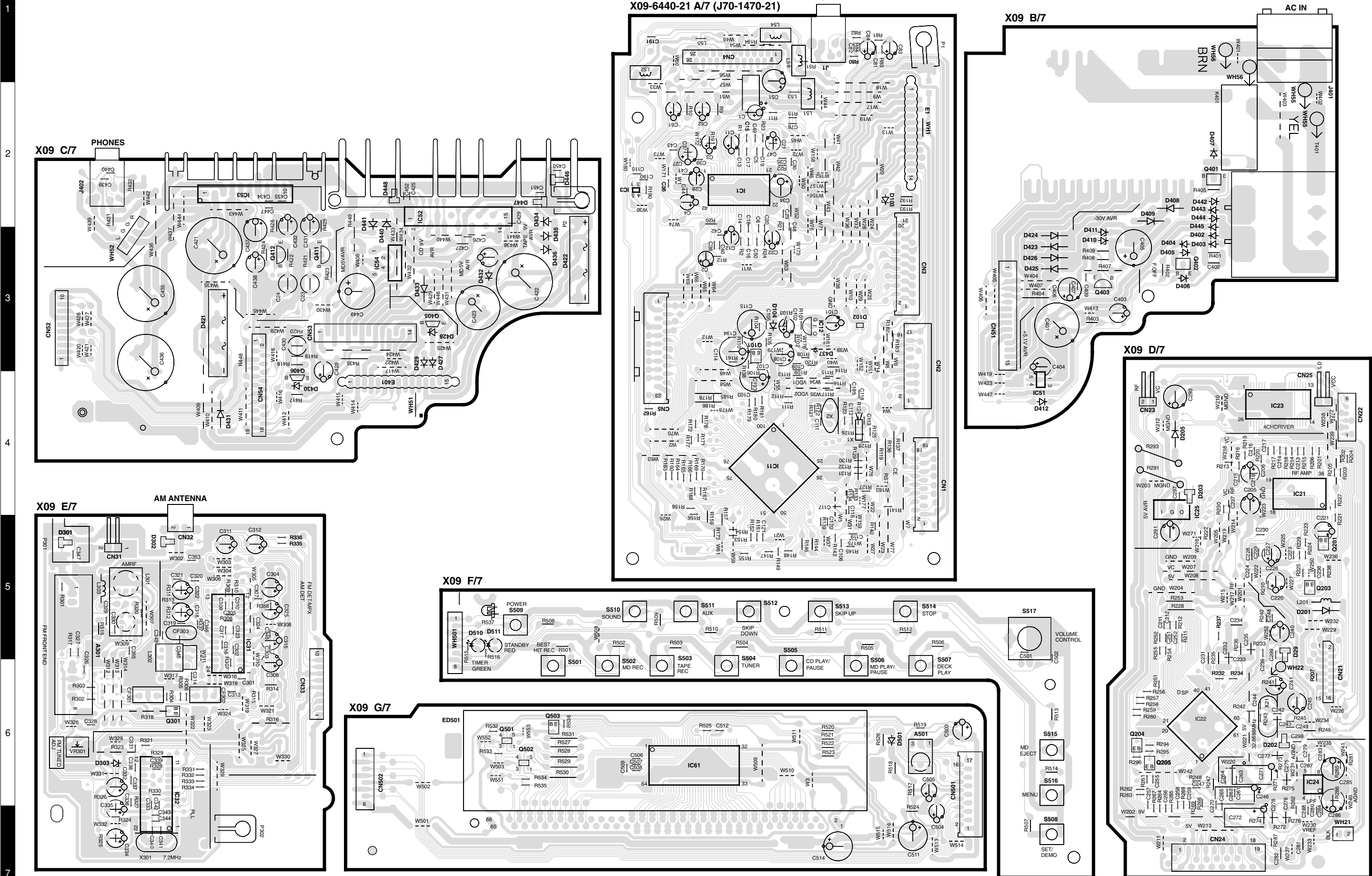


X33 B/2



Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

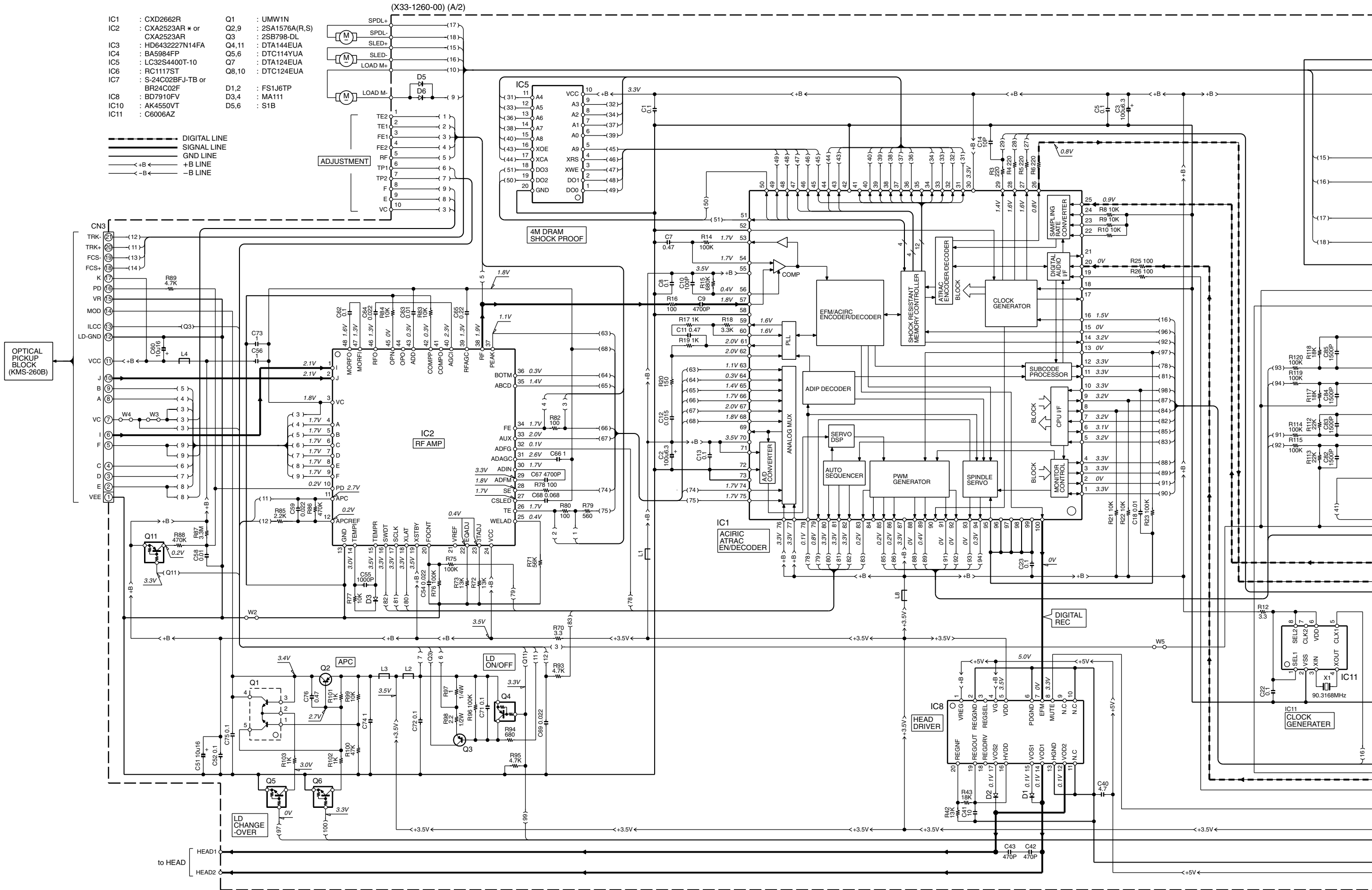


Refer to the schematic diagram for the value of resistors and capacitors.

- IC1 : CXD2662R
- IC2 : CXA2523AR * or CXA2523AR
- IC3 : HD643227N14FA
- IC4 : BA5984FP
- IC5 : LC32S4400T-10
- IC6 : RC1117ST
- IC7 : S-24C02BFJ-TB or BR24C02F
- IC8 : BD7910FV
- IC10 : AK4550VT
- IC11 : C6006AZ
- Q1 : UMW1N
- Q2,9 : 2SA1576A(R,S)
- Q3 : 2SB798-DL
- Q4,11 : DTA144EUA
- Q5,6 : DTC114YUA
- Q7 : DTA124EUA
- Q8,10 : DTC124EUA
- D1,2 : FS1J6TP
- D3,4 : MA111
- D5,6 : S1B



(X33-1260-00) (A/2)



OPTICAL PICKUP BLOCK (KMS-260B)

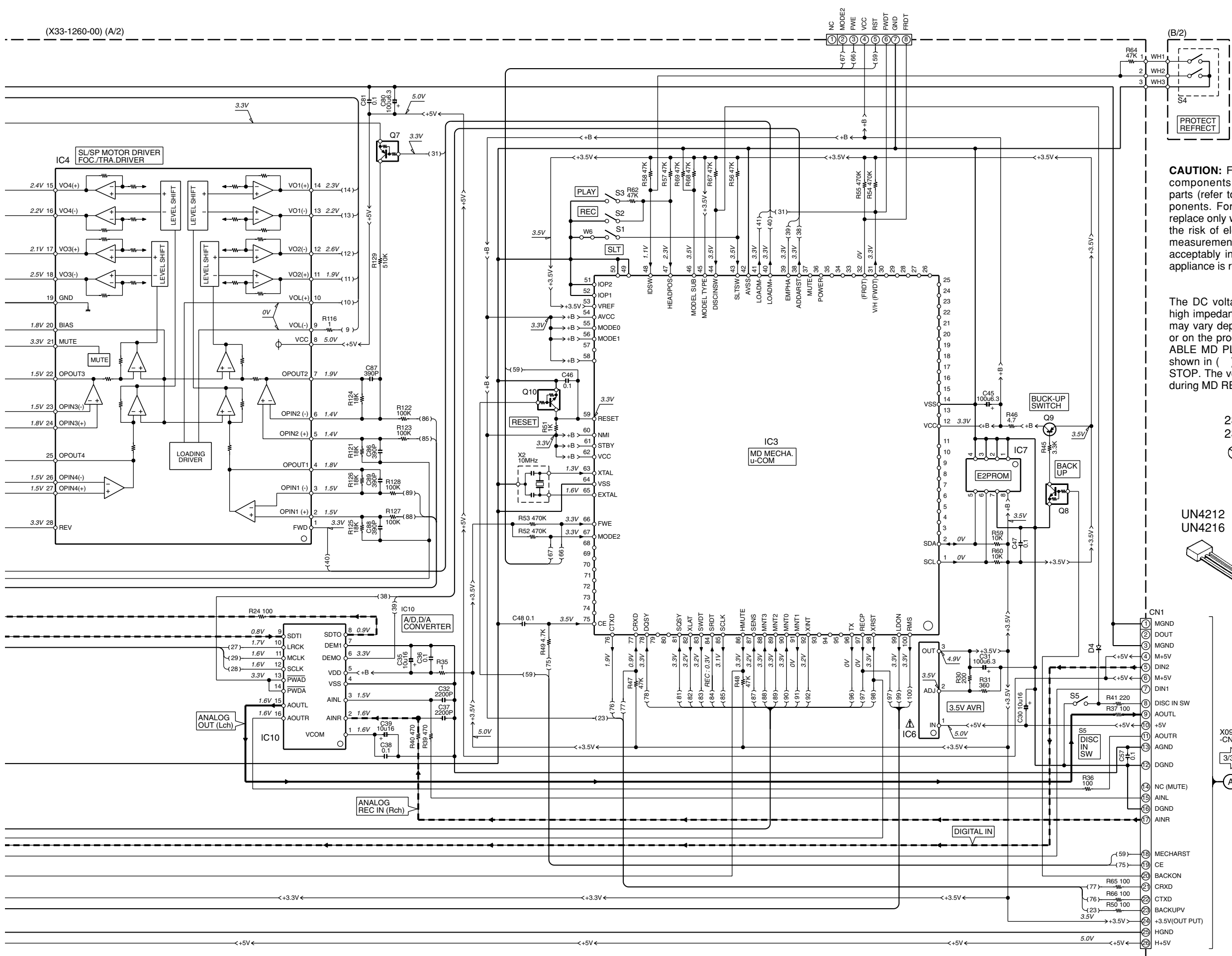
4M DRAM SHOCK PROOF

IC2 RF AMP

IC1 ACIRAC EN/DECODER

IC8 HEAD DRIVER

IC11 CLOCK GENERATOR



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during RECORDABLE MD PLAY unless otherwise specified; The value shown in () is the voltage measured at the moment of STOP. The voltage followed by (REC) refers to the value during MD RECORDING.

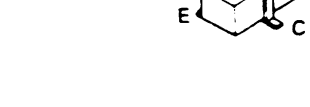
- 2SC2878
- 2SC3940A
- 2SA1175
- 2SC2785



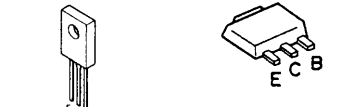
- UN4212
- UN4216
- DTA124ESA
- DTC143TSA
- KRC103M
- UN4112



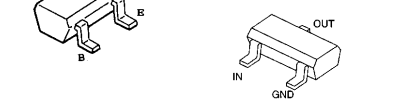
- DTA144EUA
- 2SD1819A
- DTC114YUA
- UN5111
- 2SA1576A



- KTC3205
- 2SB798-DL



- 2SC4081
- DTA114EUA
- DTA124EUA
- DTC124EUA

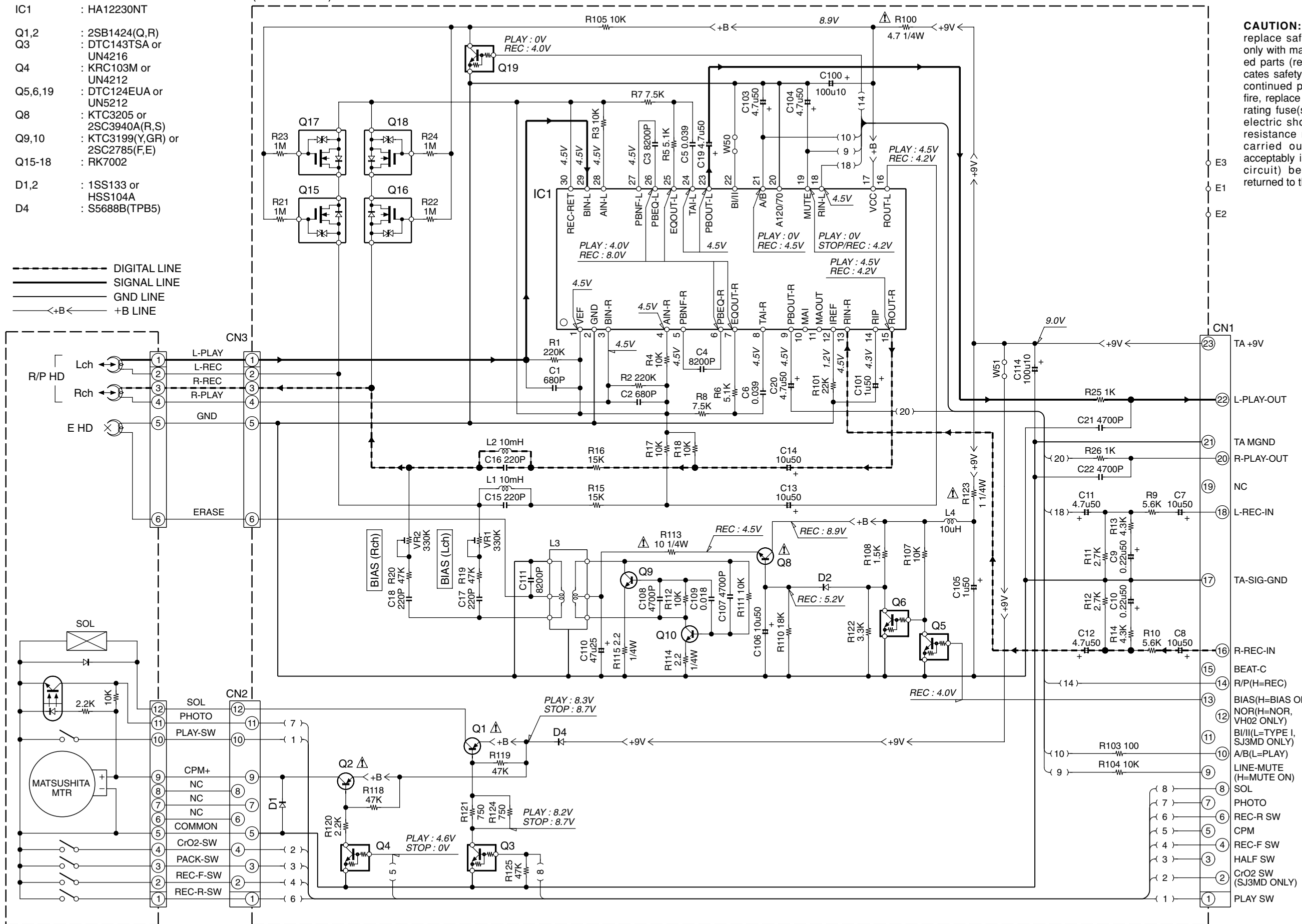


MDX-G3

KENWOOD

- IC1 : HA12230NT
 Q1,2 : 2SB1424(Q,R)
 Q3 : DTC143TSA or UN4216
 Q4 : KRC103M or UN4212
 Q5,6,19 : DTC124EUA or UN5212
 Q8 : KTC3205 or 2SC3940A(R,S)
 Q9,10 : KTC3199(Y,GR) or 2SC2785(F,E)
 Q15-18 : RK7002
 D1,2 : 1SS133 or HSS104A
 D4 : S5688B(TPB5)

--- DIGITAL LINE
 — SIGNAL LINE
 — GND LINE
 <+B< +B LINE



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

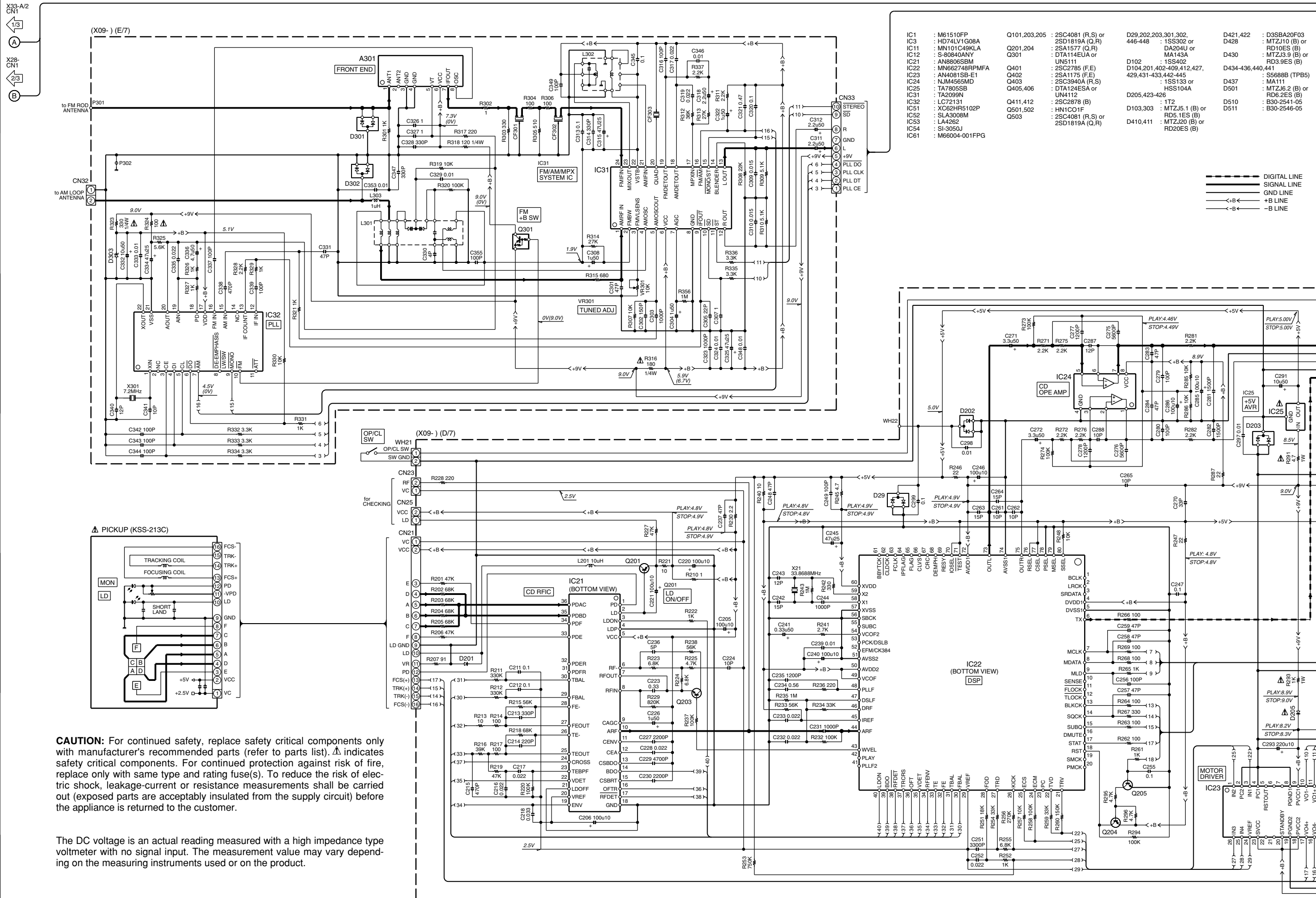
The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

MDX-G3 (2/3)

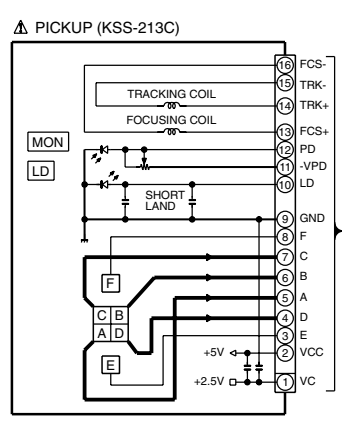
Y39-3740-21

MDX-G3
KENWOOD



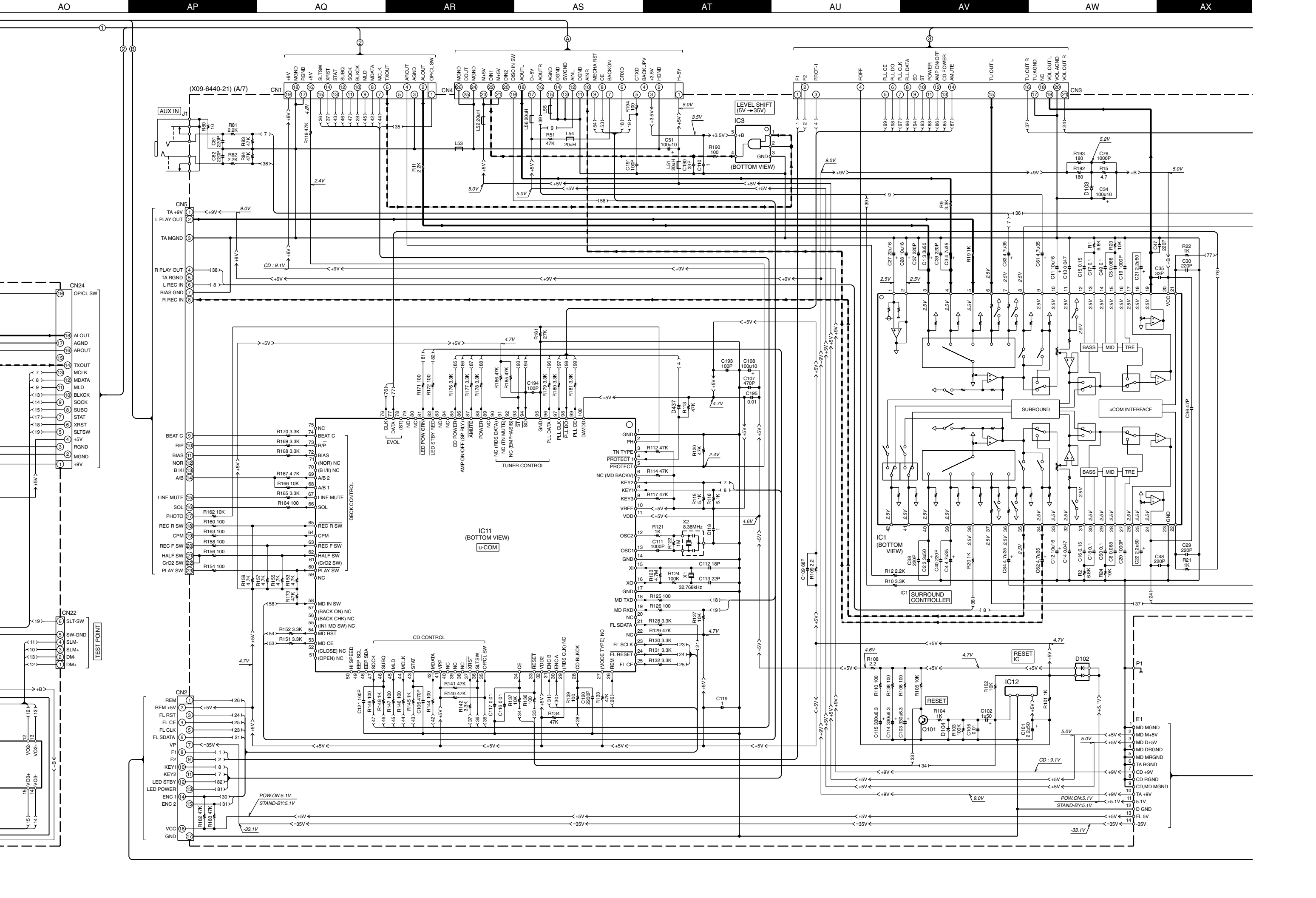
IC1 : M61510FP	Q101,203,205 : 2SC4081 (R,S) or 2SD1819A (Q,R)	D29,202,203,301,302,446-448 : 1S5302 or DA204U or MA143A	D421,422 : D3SBA20F03
IC3 : HD74LV1G08A	Q201,204 : 2SA1577 (Q,R)	D102 : 1S5402	D428 : MTZ110 (B) or RD10ES (B)
IC11 : MN101C49KLA	Q301 : DTA114EUA or UN1511	D104,201,402-409,412,427,429,431-433,442-445 : 1S5133 or HSS104A	D430 : MTZJ3.9 (B) or RD3.9ES (B)
IC12 : S-80840ANY	Q401 : 2SC2785 (F,E)	D205,423-426 : UN4112	D437 : MA111
IC21 : AN8806SBM	Q402 : 2SA1175 (F,E)	Q411,412 : 2SC2878 (B)	D501 : MTZJ6.2 (B) or RD6.2ES (B)
IC22 : MN662748RPMFA	Q403 : 2SC3940A (R,S)	Q501,502 : HN1C01F	D510 : B30-2541-05
IC23 : AN4081SB-E1	Q405,406 : DTA124ESA or UN4112	Q503 : SC4481 (R,S) or 2SD1819A (Q,R)	D511 : B30-2546-05
IC24 : NUM4565MD	IC31 : TA2099N		
IC25 : TA7805SB	IC32 : LC72131		
IC31 : TA2099N	IC33 : XC62HR5102P		
IC32 : LC72131	IC51 : SLA3008M		
IC33 : XC62HR5102P	IC52 : LA4262		
IC51 : SLA3008M	IC54 : SI-3050J		
IC52 : LA4262	IC61 : M66004-001FPG		
IC54 : SI-3050J			
IC61 : M66004-001FPG			

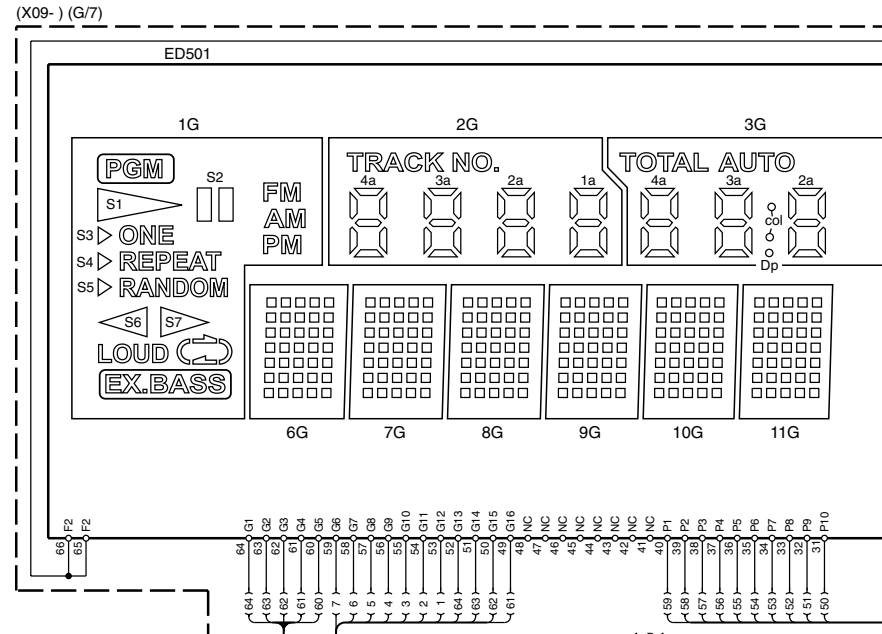
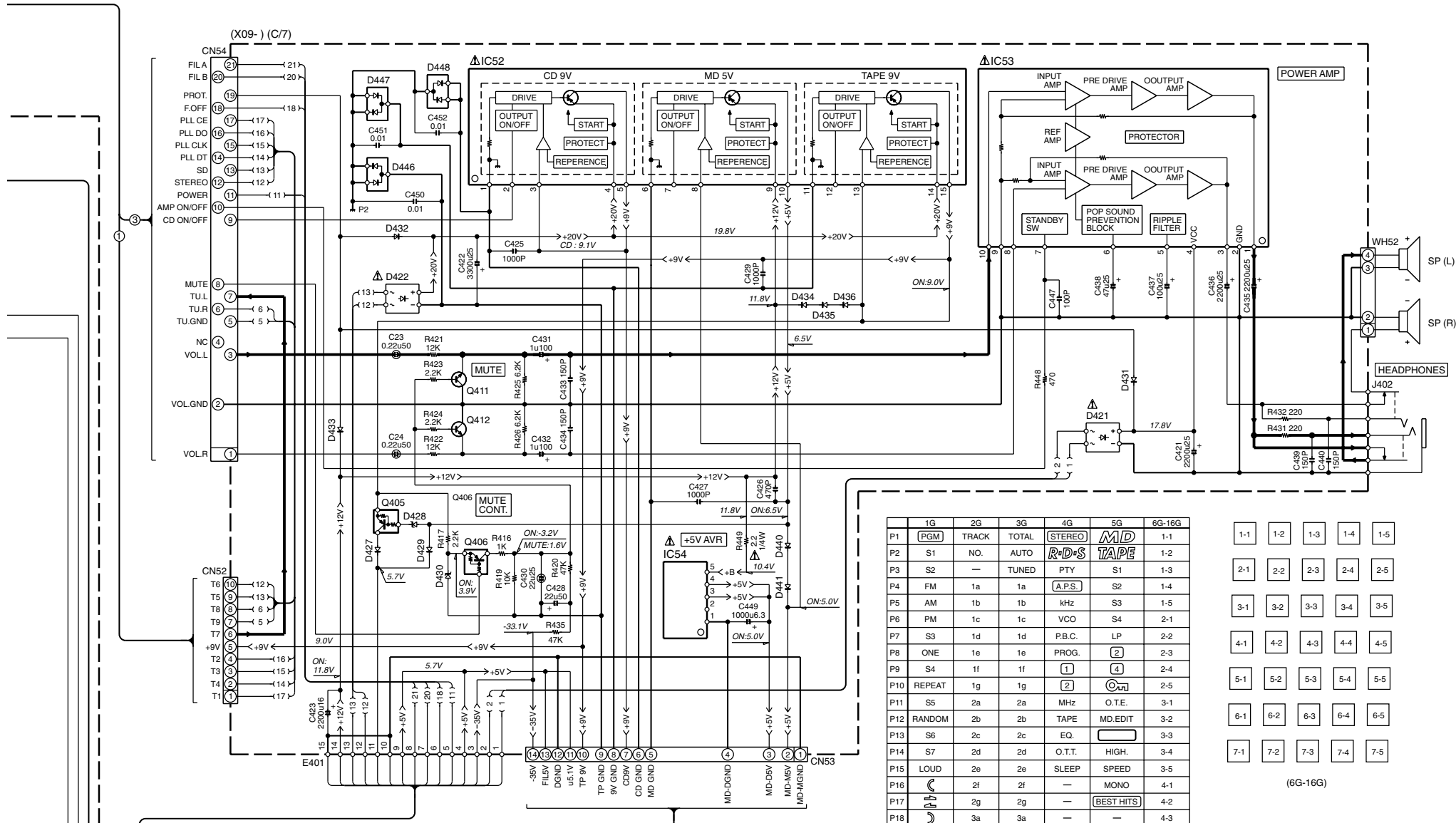
- - - DIGITAL LINE
 ——— SIGNAL LINE
 GND LINE
 <+B< +B LINE
 <-B< -B LINE



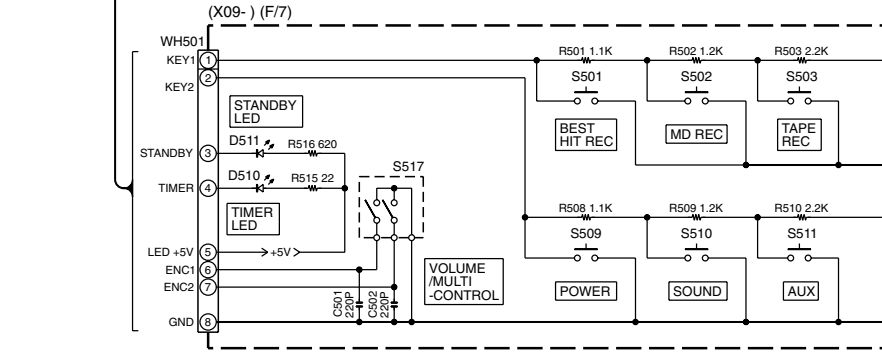
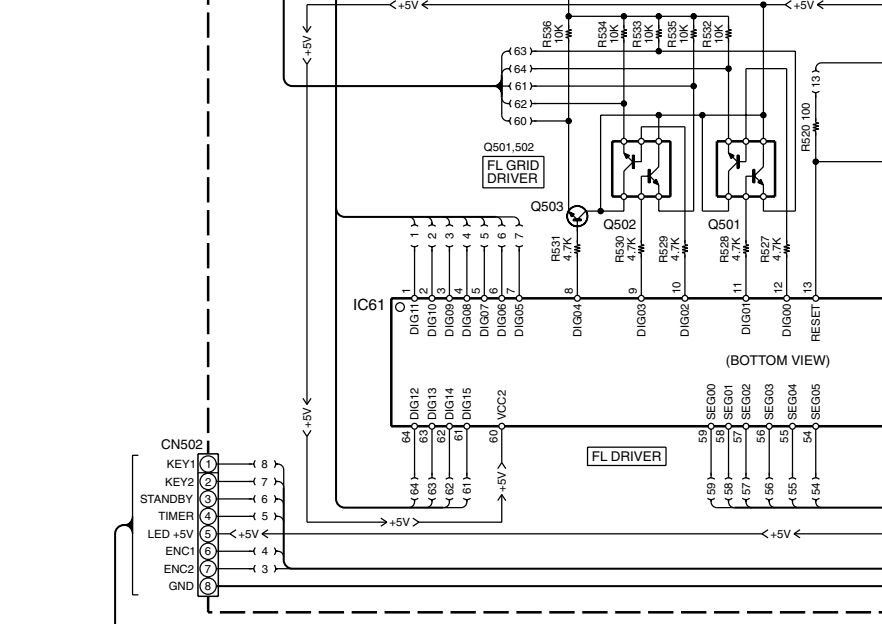
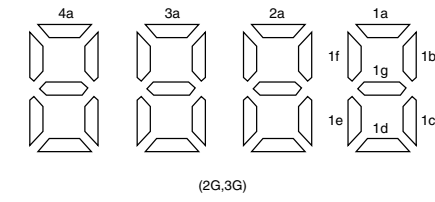
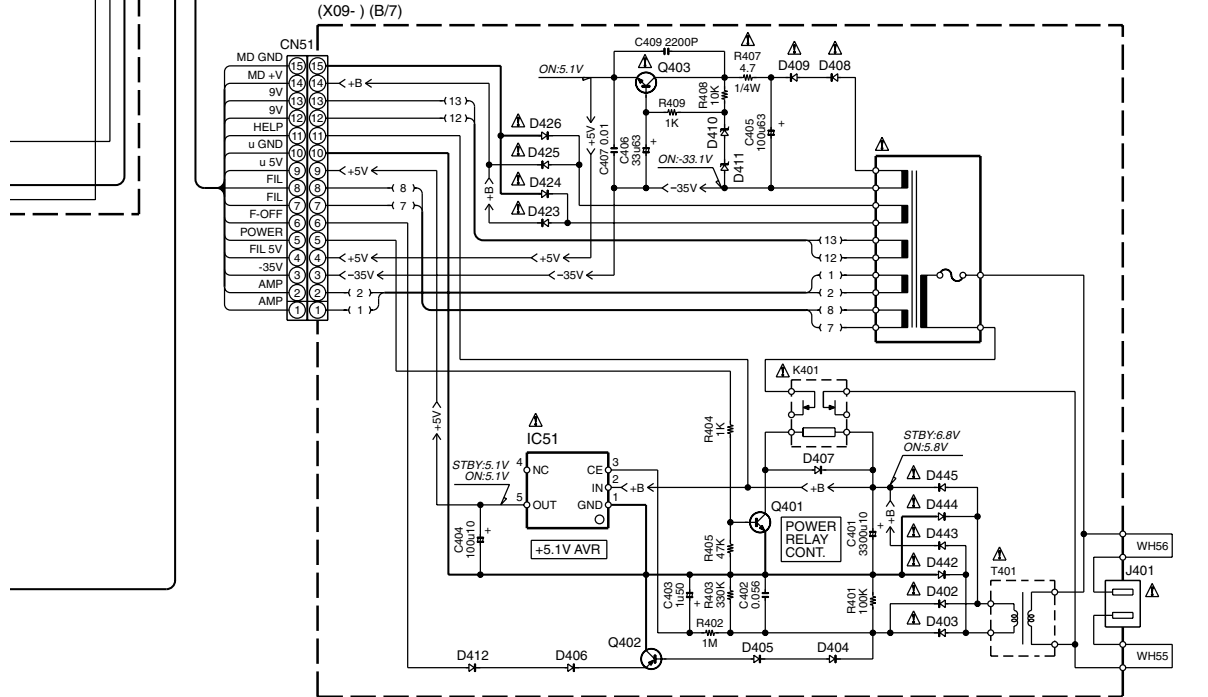
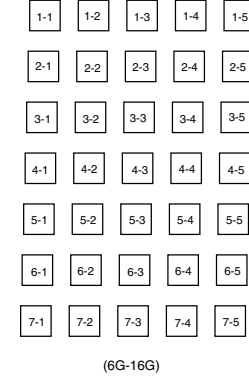
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.





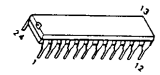
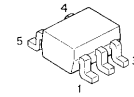
	1G	2G	3G	4G	5G	6G-16G
P1	PGM	TRACK	TOTAL	STEREO	MID	1-1
P2	S1	NO.	AUTO	R-D-S	TAPE	1-2
P3	S2	-	TUNED	PTY	S1	1-3
P4	FM	1a	1a	A.P.S.	S2	1-4
P5	AM	1b	1b	KHz	S3	1-5
P6	PM	1c	1c	VCO	S4	2-1
P7	S3	1d	1d	P.B.C.	LP	2-2
P8	ONE	1e	1e	PROG.	2	2-3
P9	S4	1f	1f	1	4	2-4
P10	REPEAT	1g	1g	2	0	2-5
P11	SS	2a	2a	MHz	O.T.E.	3-1
P12	RANDOM	2b	2b	TAPE	MD.EDIT	3-2
P13	S6	2c	2c	EQ.		3-3
P14	S7	2d	2d	O.T.T.	HIGH.	3-4
P15	LOUD	2e	2e	SLEEP	SPEED	3-5
P16		2f	2f	-	MONO	4-1
P17		2g	2g	-	BEST HITS	4-2
P18		3a	3a	-	-	4-3
P19	EX.BASS	3b	3b	-	-	4-4
P20	-	3c	3c	-	-	4-5
P21	-	3d	3d	-	-	5-1
P22	-	3e	3e	-	-	5-2
P23	-	3f	3f	-	-	5-3
P24	-	3g	3g	-	-	5-4
P25	-	4a	4a	-	-	5-5
P26	-	4b	4b	-	-	6-1
P27	-	4c	4c	-	-	6-2
P28	-	4d	4d	-	-	6-3
P29	-	4e	4e	-	-	6-4
P30	-	4f	4f	-	-	6-5
P31	-	4g	4g	-	-	7-1
P32	-	-	-	-	-	7-2
P33	-	-	-	-	-	7-3
P34	-	-	-	-	-	7-4
P35	-	-	-	-	-	7-5



(X09-) (G/7)

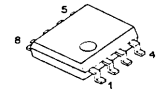
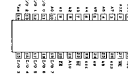
UMW1N

TA2099N



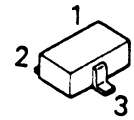
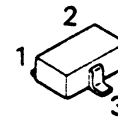
TA7805SB

NJM4565MD



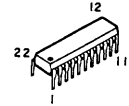
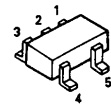
DA204U

UN5212



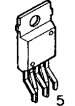
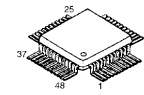
XC62HR5102P

LC72131

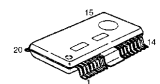


CXA2523AR

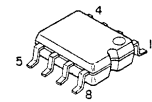
SI-3050J



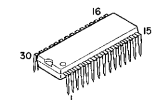
BA5984FP



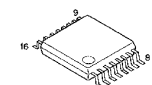
BR24C02F



HA12230NT



AK4550VT



TUNED

STEREO R-D-S PTY A.P.S.

MD S1 II S2

KHz VCD P.B.C. PROG. 1 2

TAPE S3 II S4

MHz TAPE EQ. O.T.T. SLEEP

LP 2 4

O.T.E.

MD-EDIT

HIGH-SPEED

MONO

BEST HITS

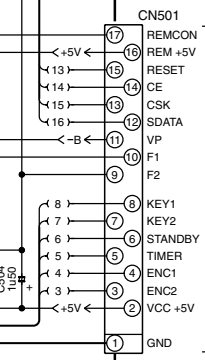
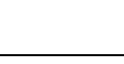
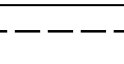
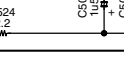
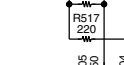
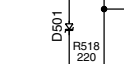
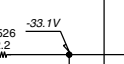
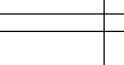
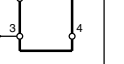
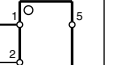
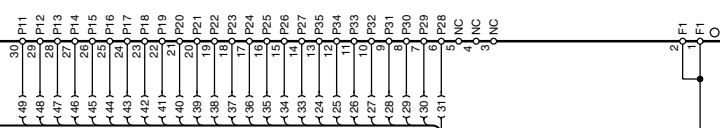
12G

13G

14G

15G

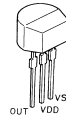
16G



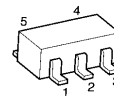
(X09-) (F/7)

MDX-G3 (3/3)

S-80840ANY



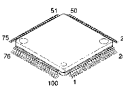
HD74LV1G08A



HN1C01F



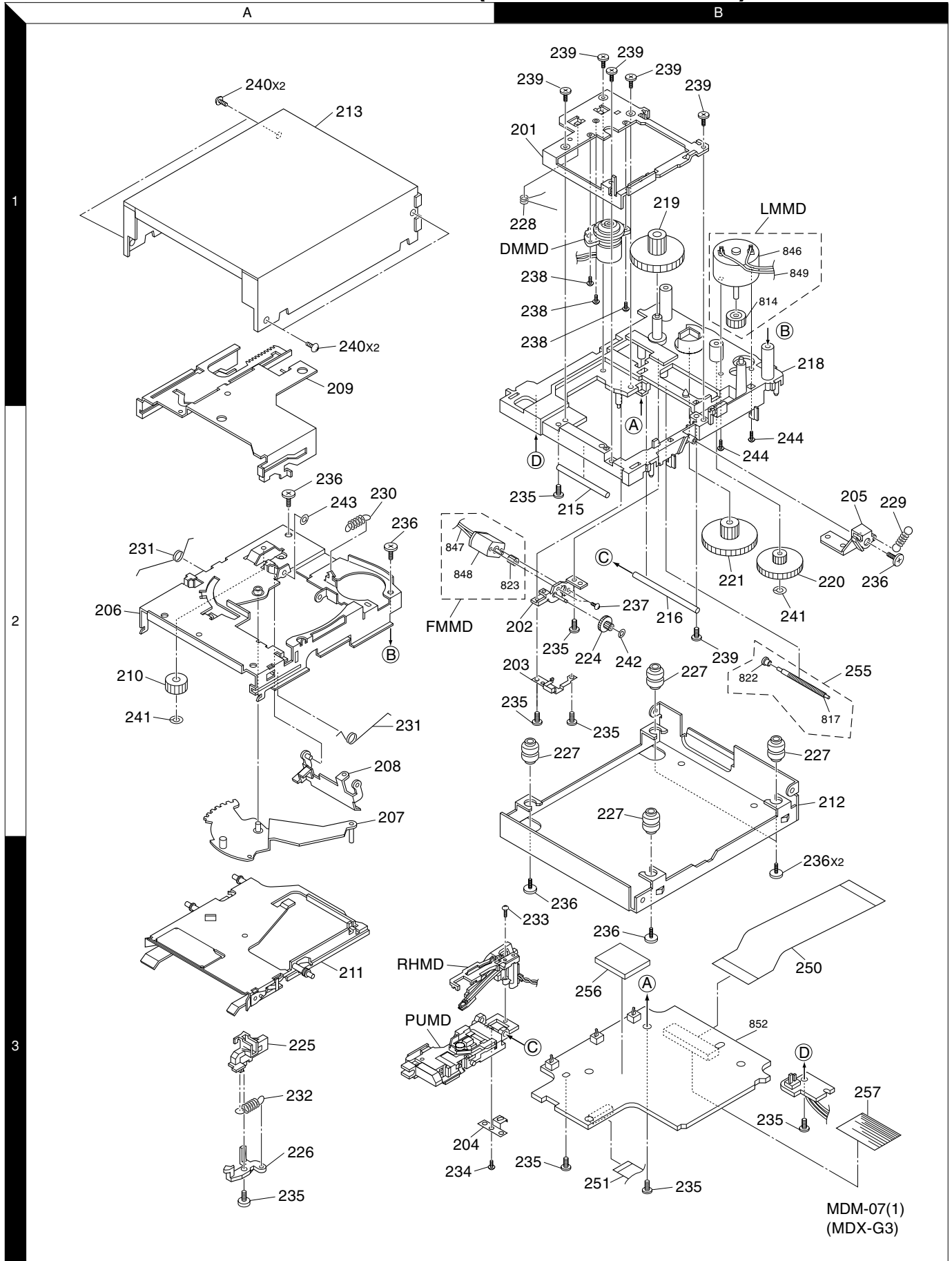
CXD2662R



MDX-G3

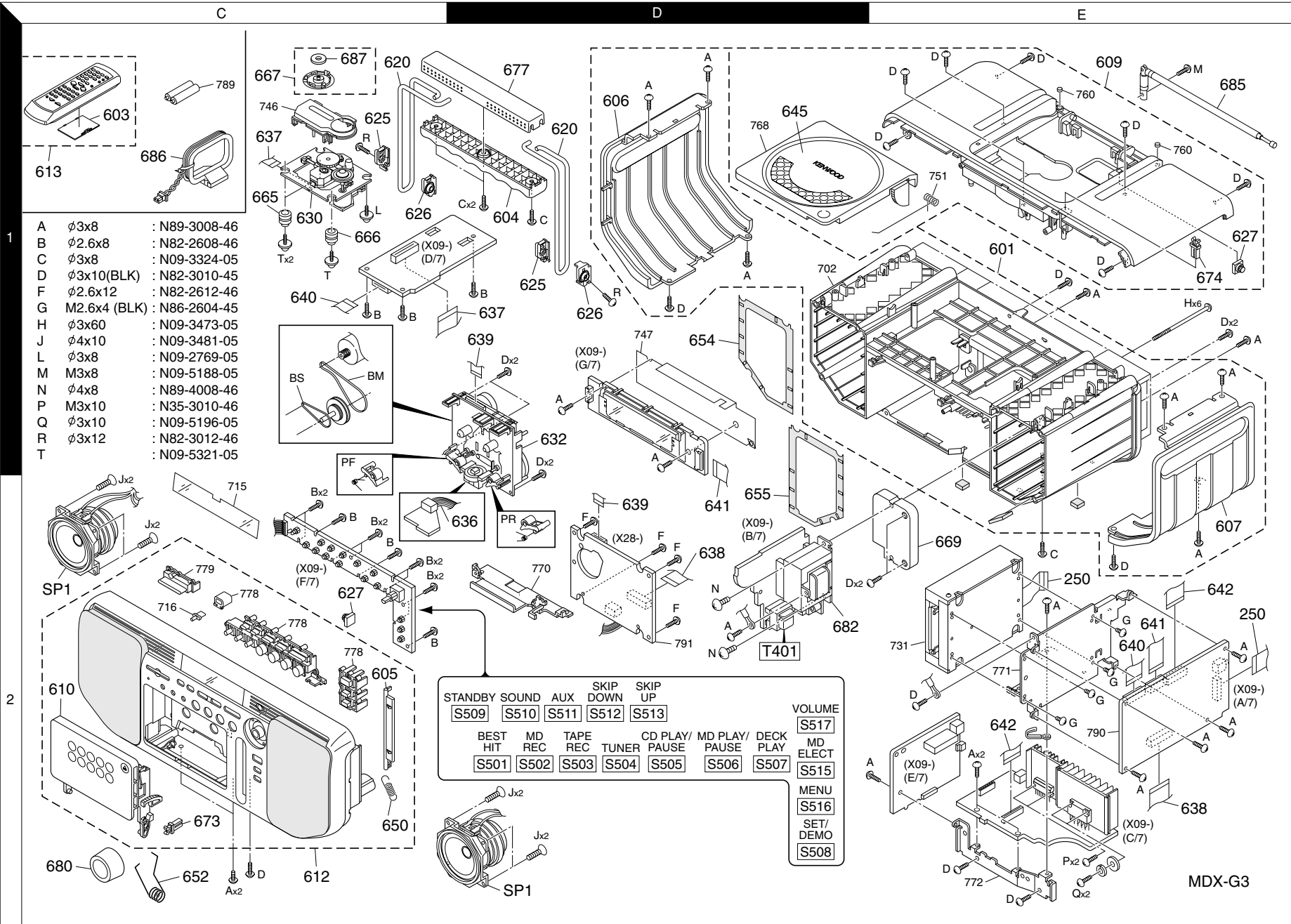
KENWOOD

EXPLODED VIEW (MD MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.

Parts with exploded numbers larger than 700 are not supplied.



- A ϕ 3x8 : N89-3008-46
- B ϕ 2.6x8 : N82-2608-46
- C ϕ 3x8 : N09-3324-05
- D ϕ 3x10 (BLK) : N82-3010-45
- F ϕ 2.6x12 : N82-2612-46
- G M2.6x4 (BLK) : N86-2604-45
- H ϕ 3x60 : N09-3473-05
- J ϕ 4x10 : N09-3481-05
- L ϕ 3x8 : N09-2769-05
- M M3x8 : N09-5188-05
- N ϕ 4x8 : N89-4008-46
- P M3x10 : N35-3010-46
- Q ϕ 3x10 : N09-5196-05
- R ϕ 3x12 : N82-3012-46
- T : N09-5321-05

STANDBY	SOUND	AUX	SKIP DOWN	SKIP UP
S509	S510	S511	S512	S513
BEST HIT	MD REC	TAPE REC	CD PLAY/TUNER	MD PLAY/PAUSE
S501	S502	S503	S504	S505
				DECK PLAY
				S506
				S507
				VOLUME
				S517
				MD ELECT
				S515
				MENU
				S516
				SET/DEMO
				S508

MDX-G3

* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
MDX-G3 L:BLUE, S:SILVER, R:RED						
601	1E	*	A02-2996-01	PLASTIC CABINET ASSY		
603	1C	*	A09-1151-08	BATTERY COVER		
604	1D	*	A21-3897-03	DRESSING PANEL	L	
604	1D	*	A21-3926-03	DRESSING PANEL	SR	
605	2C	*	A29-1122-04	PANEL	L	
605	2C	*	A29-1128-04	PANEL	SR	
606	1D	*	A50-1380-02	SIDE PLATE		
607	2E	*	A50-1381-02	SIDE PLATE		
609	1E	*	A52-0920-21	TOP COVER ASSY	L	
609	1E	*	A52-0922-21	TOP COVER ASSY	S	
609	1E	*	A52-0924-21	TOP COVER ASSY	R	
610	2C	*	A53-2231-12	CASSETTE HOLDER	L	
610	2C	*	A53-2238-12	CASSETTE HOLDER	SR	
612	2C	*	A60-1975-11	PANEL ASSY	L	
612	2C	*	A60-1982-11	PANEL ASSY	S	
612	2C	*	A60-1986-11	PANEL ASSY	R	
613	1C	*	A70-1449-05	REMOTE CONTROLLER ASSY		
-			B58-0966-13	CAUTION CARD (PL)		
-			B58-1643-04	CAUTION CARD (CASSETTE EJEC)		
-		*	B60-4854-00	INSTRUCTION MANUAL		
620	1C,1D	*	D10-3983-04	ARM		
625	1C,1D	*	D21-1999-03	SHAFT		
626	1C,1D	*	D21-2000-03	SHAFT		
627	2C,1E	*	D39-0353-05	DAMPER		
630	1C	*	D40-1640-05	MECHANISM ASSY		
632	1D	*	D40-1709-05	CASSETTE MECHANISM ASSY		
BM	1C	*	D16-0741-08	BELT MAIN		
BS	1C	*	D16-0705-08	BELT SUB		
PF	1C	*	D14-0380-08	PINCH ROLLER FWD		
PR	2D	*	D14-0381-08	PINCH ROLLER RVS		
636	2D	*	E35-2716-05	WIRING HARNESS,6P HEAD		
637	1C,1D	*	E35-2719-05	FLAT CABLE 16P		
638	2D,2E	*	E35-2720-05	FLAT CABLE 23P		
639	1D	*	E35-2721-05	FLAT CABLE DECK CONTROL		
640	1C,2E	*	E35-2722-05	FLAT CABLE 19P		
641	2D,2E	*	E35-2723-05	FLAT CABLE 17P		
642	2E	*	E35-2724-15	FLAT CABLE 21P		
645	1D	*	F07-1717-03	COVER	L	
645	1D	*	F07-1734-03	COVER	S	
645	2D	*	F07-1735-03	COVER	R	
650	2C	*	G01-4194-24	EXTENSION SPRING		
652	2C	*	G01-4243-04	TORSION COIL SPRING		
654	1D	*	G10-0560-04	NON-WOVEN FABRIC		
655	1E	*	G10-0561-04	NON-WOVEN FABRIC		
-		*	H12-3483-05	PACKING FIXTURE		
-		*	H12-3484-05	PACKING FIXTURE		
-		*	H21-0367-04	PROTECTION SHEET		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-3938-04	ITEM CARTON CASE	L	
-		*	H50-4016-04	ITEM CARTON CASE	S	
-		*	H50-4017-04	ITEM CARTON CASE	R	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia

Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)

Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
665	1C	*	J02-1471-05	INSULATOR		
666	1C	*	J02-1505-05	INSULATOR		
667	1C	*	J11-0852-03	CLAMPER ASSY		
669	2E	*	J19-6146-14	HOLDER		
673	2C	*	J52-0039-05	PUSH LATCH		
674	1E	*	J52-0044-05	PUSH LATCH		
-		*	J61-0307-05	WIRE BAND		
677	1D	*	K01-0127-03	HANDLE	L	
677	1D	*	K01-0143-03	HANDLE	SR	
680	2C	*	K29-7870-04	KNOB ASSY	L	
680	2C	*	K29-7918-04	KNOB	SR	
682	2E	*	L07-2911-05	POWER TRANSFORMER		
-		*	L92-0512-05	FERRITE CORE		
685	1E	*	T90-0828-05	ROD ANTENNA		
686	1C	*	T90-0865-05	LOOP ANTENNA		
687	1C	*	T99-0544-15	MAGNET		
SP1	2C,2D	*	T07-0901-05	FULLRANGE		
AUDIO (X09-6440-21)						
D510			B30-2541-05	LED(GRN3(80))		
D511			B30-2546-05	LED(RED3(80))		
C1 ,2			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C3 ,4			CE04RW1V4R7M	ELECTRO	4.7UF	35WV
C5 ,6			CK73GB1C683K	CHIP C	0.068UF	K
C11 ,12			CE04RW1C100M	ELECTRO	10UF	16WV
C13 ,14			CK73GB1E473K	CHIP C	0.047UF	K
C15 ,16			CK73GB1A154K	CHIP C	0.15UF	K
C17 ,18			CK73GB1C104K	CHIP C	0.10UF	K
C19 ,20			CK73GB1H102K	CHIP C	1000PF	K
C21 ,22			CE04RW1H2R2M	ELECTRO	2.2UF	50WV
C23 ,24			CE04HW1HR22M	NP-ELEC	0.22UF	50WV
C27			CE04RW1C220M	ELECTRO	22UF	16WV
C28			CE04RW1C100M	ELECTRO	10UF	16WV
C29 ,30			CC73GCH1H221J	CHIP C	220PF	J
C34			CE04KW1A101M	ELECTRO	100UF	10WV
C35			CC73GCH1H330J	CHIP C	33PF	J
C36			CC73GCH1H470J	CHIP C	47PF	J
C37 -40			CC73GCH1H221J	CHIP C	220PF	J
C47 ,48			CC73GCH1H221J	CHIP C	220PF	J
C49 ,50			CK73GB1C104K	CHIP C	0.10UF	K
C51			CE04RW1A101M	ELECTRO	100UF	10WV
C61 ,62			CE04RW1V4R7M	ELECTRO	4.7UF	35WV
C76			CK73GB1H102K	CHIP C	1000PF	K
C81 ,82			CC73GCH1H221J	CHIP C	220PF	J
C83 ,84			CE04RW1V4R7M	ELECTRO	4.7UF	35WV
C101			CE04RW1H2R2M	ELECTRO	2.2UF	50WV
C102			CE04RW1H010M	ELECTRO	1.0UF	50WV
C103			CE04RW0J331M	ELECTRO	330UF	6.3WV
C105			CK73GB1H103K	CHIP C	0.010UF	K
C106,107			CC73GCH1H471J	CHIP C	470PF	J
C108			CE04RW1A101M	ELECTRO	100UF	10WV
C109			CC73GCH1H680J	CHIP C	68PF	J
C110			CK73GB0J105K	CHIP C	1.0UF	K
C111			CK73GB1H102K	CHIP C	1000PF	K

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C112			CC73GCH1H180J	CHIP C 18PF	J	
C113			CC73GCH1H220J	CHIP C 22PF	J	
C114,115			CE04RW0J331M	ELECTRO 330UF	6.3WV	
C116,117			CK73GB1H103K	CHIP C 0.010UF	K	
C118,119			CK73GB0J105K	CHIP C 1.0UF	K	
C120			CK73GB1H222K	CHIP C 2200PF	K	
C121			CC73GCH1H101J	CHIP C 100PF	J	
C188,189			CC73GCH1H101J	CHIP C 100PF	J	
C190			CC73GCH1H330J	CHIP C 33PF	J	
C191			CC73GCH1H101J	CHIP C 100PF	J	
C193,194			CC73GCH1H101J	CHIP C 100PF	J	
C195			CK73GB1H103K	CHIP C 0.010UF	K	
C205,206			CE04KW1A101M	ELECTRO 100UF	10WV	
C211,212			CK73GB1C104K	CHIP C 0.10UF	K	
C213			CC73GCH1H331J	CHIP C 330PF	J	
C214			CC73GCH1H221J	CHIP C 220PF	J	
C215			CC73GCH1H471J	CHIP C 470PF	J	
C216,217			CK73GB1E223K	CHIP C 0.022UF	K	
C218			CK73GB1E333K	CHIP C 0.033UF	K	
C220,221			CE04KW1A101M	ELECTRO 100UF	10WV	
C223			CK73GB1A334K	CHIP C 0.33UF	K	
C224			CC73GCH1H100D	CHIP C 10PF	D	
C226			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C227			CK73GB1H222K	CHIP C 2200PF	K	
C228			CQ93FMG1H223J	MYLAR 0.022UF	J	
C229			CK73GB1H472K	CHIP C 4700PF	K	
C230			CK73GB1H222K	CHIP C 2200PF	K	
C231			CQ93FMG1H102J	MYLAR 1000PF	J	
C232			CQ93FMG1H223J	MYLAR 0.022UF	J	
C233			CK73GB1E223K	CHIP C 0.022UF	K	
C234			CF92FV1H564J	MF-C 0.56UF	J	
C235			CQ93FMG1H122J	MYLAR 1200PF	J	
C236			CC73GCH1H050C	CHIP C 5.0PF	C	
C237			CC73GCH1H470J	CHIP C 47PF	J	
C239			CK73GB1H103K	CHIP C 0.010UF	K	
C240			CE04KW1A101M	ELECTRO 100UF	10WV	
C241			CE04KW1HR33M	ELECTRO 0.33UF	50WV	
C242			CC73GCH1H150J	CHIP C 15PF	J	
C243			CC73GCH1H120J	CHIP C 12PF	J	
C244			CK73GB1H102K	CHIP C 1000PF	K	
C245			CE04KW1E470M	ELECTRO 47UF	25WV	
C246			CE04KW1A101M	ELECTRO 100UF	10WV	
C247			CK73GB1C104K	CHIP C 0.10UF	K	
C248			CC73GCH1H470J	CHIP C 47PF	J	
C249			CC73GCH1H101J	CHIP C 100PF	J	
C251			CK73GB1H332K	CHIP C 3300PF	K	
C252			CK73GB1E223K	CHIP C 0.022UF	K	
C255			CK73GB1C104K	CHIP C 0.10UF	K	
C256			CC73GCH1H101J	CHIP C 100PF	J	
C257-259			CC73GCH1H470J	CHIP C 47PF	J	
C261,262			CC73GCH1H100D	CHIP C 10PF	D	
C263,264			CC73GCH1H150J	CHIP C 15PF	J	
C265			CC73GCH1H100D	CHIP C 10PF	D	
C270			CC73GCH1H330J	CHIP C 33PF	J	
C271,272			CE04KW1H3R3M	ELECTRO 3.3UF	50WV	

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C275,276			CQ93FMG1H562J	MYLAR 5600PF	J	
C277,278			CQ93FMG1H122J	MYLAR 1200PF	J	
C279,280			CC73GCH1H101J	CHIP C 100PF	J	
C281,282			CQ93FMG1H152J	MYLAR 1500PF	J	
C283,284			CC73GCH1H470J	CHIP C 47PF	J	
C285,286			CE04KW1A101M	ELECTRO 100UF	10WV	
C287			CC73GCH1H120J	CHIP C 12PF	J	
C288			CC73GCH1H100D	CHIP C 10PF	D	
C291			CE04KW1H100M	ELECTRO 10UF	50WV	
C293			CE04KW1A221M	ELECTRO 220UF	10WV	
C297,298			CK73GB1H103K	CHIP C 0.010UF	K	
C299			CK73GB1C104K	CHIP C 0.10UF	K	
C301			CC73GCH1H470J	CHIP C 47PF	J	
C302			CC73GCH1H151J	CHIP C 150PF	J	
C303			CK73GB1H102K	CHIP C 1000PF	K	
C304			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C305			CC73GCH1H220J	CHIP C 22PF	J	
C307			CK73FB1C105K	CHIP C 1.0UF	K	
C308			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C309,310			CK73GB1H153K	CHIP C 0.015UF	K	
C311,312			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C313			CK73GB1C104K	CHIP C 0.10UF	K	
C314			CC73GCH1H331J	CHIP C 330PF	J	
C315			CE04KW1E470M	ELECTRO 47UF	25WV	
C316			CC73GCH1H101J	CHIP C 100PF	J	
C317			CK73GB1E223K	CHIP C 0.022UF	K	
C318			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C319			CK73GB1E223K	CHIP C 0.022UF	K	
C320			CK73GB1C104K	CHIP C 0.10UF	K	
C321			CK73FB1C474K	CHIP C 0.47UF	K	
C322			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C323			CK73GB1H102K	CHIP C 1000PF	K	
C324			CK73GB1H103K	CHIP C 0.010UF	K	
C325			CE04KW1E470M	ELECTRO 47UF	25WV	
C326,327			CK73FB1C105K	CHIP C 1.0UF	K	
C328			CC73GCH1H331J	CHIP C 330PF	J	
C329			CK73GB1H103K	CHIP C 0.010UF	K	
C330			CC73GCH1H040C	CHIP C 4.0PF	C	
C331			CC73GCH1H470J	CHIP C 47PF	J	
C332			CE04KW1H100M	ELECTRO 10UF	50WV	
C333			CK73GB1H103K	CHIP C 0.010UF	K	
C334			CE04KW1E470M	ELECTRO 47UF	25WV	
C335			CK73GB1E223K	CHIP C 0.022UF	K	
C336			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C337			CC73GCH1H101J	CHIP C 100PF	J	
C338			CC73GCH1H471J	CHIP C 470PF	J	
C339			CC73GCH1H101J	CHIP C 100PF	J	
C340			CC73GCH1H120J	CHIP C 12PF	J	
C341			CC73GCH1H100D	CHIP C 10PF	D	
C342-344			CC73GCH1H101J	CHIP C 100PF	J	
C345			CK73GB1C104K	CHIP C 0.10UF	K	
C346			CK73GB1H103K	CHIP C 0.010UF	K	
C347			CC73GCH1H331J	CHIP C 330PF	J	
C348			CK73GB1H103K	CHIP C 0.010UF	K	
C349			CC73GCH1H101J	CHIP C 100PF	J	

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MDX-G3

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R142			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R145			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R147			RK73GB1J101J	CHIP R	100	J 1/16W
R148			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R149			RK73GB1J101J	CHIP R	100	J 1/16W
R151,152			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R153			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R154			RK73GB1J101J	CHIP R	100	J 1/16W
R155			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R156			RK73GB1J101J	CHIP R	100	J 1/16W
R158			RK73GB1J101J	CHIP R	100	J 1/16W
R160			RK73GB1J101J	CHIP R	100	J 1/16W
R161			RK73GB1J273J	CHIP R	27K	J 1/16W
R162			RK73GB1J103J	CHIP R	10K	J 1/16W
R163,164			RK73GB1J101J	CHIP R	100	J 1/16W
R165			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R166			RK73GB1J103J	CHIP R	10K	J 1/16W
R167			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R168-170			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R171,172			RK73GB1J101J	CHIP R	100	J 1/16W
R173			RK73GB1J473J	CHIP R	47K	J 1/16W
R176-181			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R182,183			RK73GB1J473J	CHIP R	47K	J 1/16W
R194			RK73GB1J101J	CHIP R	100	J 1/16W
R201			RK73GB1J473J	CHIP R	47K	J 1/16W
R202-205			RK73GB1J683J	CHIP R	68K	J 1/16W
R206			RK73GB1J473J	CHIP R	47K	J 1/16W
R207			RK73GB1J910J	CHIP R	91	J 1/16W
R210			RK73GB1J1R0J	CHIP R	1	J 1/16W
R211,212			RK73GB1J334J	CHIP R	330K	J 1/16W
R213			RK73GB1J100J	CHIP R	10	J 1/16W
R214			RK73GB1J101J	CHIP R	100	J 1/16W
R215			RK73GB1J563J	CHIP R	56K	J 1/16W
R216			RK73GB1J393J	CHIP R	39K	J 1/16W
R217			RK73GB1J101J	CHIP R	100	J 1/16W
R218			RK73GB1J683J	CHIP R	68K	J 1/16W
R219			RK73GB1J473J	CHIP R	47K	J 1/16W
R220			RK73GB1J104J	CHIP R	100K	J 1/16W
R221			RK73GB1J100J	CHIP R	10	J 1/16W
R223,224			RK73GB1J682J	CHIP R	6.8K	J 1/16W
R225			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R227			RK73GB1J473J	CHIP R	47K	J 1/16W
R229			RK73GB1J824J	CHIP R	820K	J 1/16W
R230			RK73GB1J2R2J	CHIP R	2.2	J 1/16W
R232			RK73GB1J104J	CHIP R	100K	J 1/16W
R233			RK73GB1J563J	CHIP R	56K	J 1/16W
R234			RK73GB1J333J	CHIP R	33K	J 1/16W
R237			RK73GB1J104J	CHIP R	100K	J 1/16W
R238			RK73GB1J563J	CHIP R	56K	J 1/16W
R240			RK73GB1J100J	CHIP R	10	J 1/16W
R241			RK73GB1J272J	CHIP R	2.7K	J 1/16W
R242			RK73GB1J331J	CHIP R	330	J 1/16W
R243			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R245			RK73GB1J4R7J	CHIP R	4.7	J 1/16W
R248			RK73GB1J103J	CHIP R	10K	J 1/16W

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R251			RK73GB1J183J	CHIP R	18K	J 1/16W
R252			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R254			RK73GB1J333J	CHIP R	33K	J 1/16W
R255			RK73GB1J682J	CHIP R	6.8K	J 1/16W
R256			RK73GB1J274J	CHIP R	270K	J 1/16W
R257			RK73GB1J103J	CHIP R	10K	J 1/16W
R258			RK73GB1J104J	CHIP R	100K	J 1/16W
R259			RK73GB1J333J	CHIP R	33K	J 1/16W
R260			RK73GB1J154J	CHIP R	150K	J 1/16W
R261			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R262-264			RK73GB1J101J	CHIP R	100	J 1/16W
R265			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R266			RK73GB1J101J	CHIP R	100	J 1/16W
R267			RK73GB1J331J	CHIP R	330	J 1/16W
R268,269			RK73GB1J101J	CHIP R	100	J 1/16W
R271,272			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R273,274			RK73GB1J104J	CHIP R	100K	J 1/16W
R275,276			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R281,282			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R285,286			RK73GB1J103J	CHIP R	10K	J 1/16W
R287			RK73GB1J220J	CHIP R	22	J 1/16W
R291			RS14KB3A4R7J	FL-PROOF RS	4.7	J 1W
R293			RS14KB3A1R0J	FL-PROOF RS	1	J 1W
R294			RK73GB1J104J	CHIP R	100K	J 1/16W
R295,296			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R301			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R302			RK73GB1J1R0J	CHIP R	1	J 1/16W
R303			RK73GB1J331J	CHIP R	330	J 1/16W
R304			RK73GB1J101J	CHIP R	100	J 1/16W
R305			RK73GB1J511J	CHIP R	510	J 1/16W
R306			RK73GB1J101J	CHIP R	100	J 1/16W
R307			RK73GB1J103J	CHIP R	10K	J 1/16W
R308			RK73GB1J223J	CHIP R	22K	J 1/16W
R309,310			RK73GB1J512J	CHIP R	5.1K	J 1/16W
R311			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R312			RK73GB1J363J	CHIP R	36K	J 1/16W
R313			RK73GB1J273J	CHIP R	27K	J 1/16W
R315			RK73GB1J681J	CHIP R	680	J 1/16W
R316			RD14NB2E181J	RD	180	J 1/4W
R317			RK73GB1J221J	CHIP R	220	J 1/16W
R318			RD14NB2E121J	RD	120	J 1/4W
R320			RK73GB1J104J	CHIP R	100K	J 1/16W
R321			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R323			RD14NB2E331J	RD	330	J 1/4W
R324			RK73GB1J101J	CHIP R	100	J 1/16W
R325			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R326,327			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R328			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R329			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R330			RK73GB1J103J	CHIP R	10K	J 1/16W
R331			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R332-336			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R337			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R356			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R407			RD14NB2E4R7J	RD	4.7	J 1/4W

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△ R449			RD14NB2E2R2J	RD 2.2 J 1/4W		
R515			RK73GB1J220J	CHIP R 22 J 1/16W		
R516			RK73GB1J621J	CHIP R 620 J 1/16W		
R519			RK73GB1J100J	CHIP R 10 J 1/16W		
R525			RK73GB1J273J	CHIP R 27K J 1/16W		
R532-536			RK73GB1J103J	CHIP R 10K J 1/16W		
R537			RK73GB1J102J	CHIP R 1.0K J 1/16W		
VR301			R12-3100-05	TRIMMING POT.(10K)		
W150-152			R92-0679-05	CHIP R 0 OHM		
W156-159			R92-0679-05	CHIP R 0 OHM		
W161-163			R92-0679-05	CHIP R 0 OHM		
W171-173			R92-1252-05	CHIP R 0 OHM		
W175-180			R92-1252-05	CHIP R 0 OHM		
W250			R92-1252-05	CHIP R 0 OHM		
W252			R92-0679-05	CHIP R 0 OHM		
W271,272			R92-1252-05	CHIP R 0 OHM		
W551,552			R92-0679-05	CHIP R 0 OHM		
W553			R92-1252-05	CHIP R 0 OHM		
△ K401			S76-0102-05	MAGNETIC RELAY		
S501-516		*	S70-0031-05	TACT SWITCH		
S501-516		*	S70-0086-05	TACT SWITCH		
S517		*	T99-0646-05	ROTARY ENCODER		
D29			DA204U	DIODE		
D29			MA143A	DIODE		
D29			1SS302	DIODE		
D102			1SS402	DIODE		
D103			MTZJ5.1(B)	ZENER DIODE		
D103			RD5.1ES(B)	ZENER DIODE		
D104			HSS104A	DIODE		
D104			1SS133	DIODE		
D201			HSS104A	DIODE		
D201			1SS133	DIODE		
D202,203			DA204U	DIODE		
D202,203			MA143A	DIODE		
D202,203			1SS302	DIODE		
△ D205			1T2	DIODE		
D301,302			DA204U	DIODE		
D301,302			MA143A	DIODE		
D301,302			1SS302	DIODE		
D303			MTZJ5.1(B)	ZENER DIODE		
D303			RD5.1ES(B)	ZENER DIODE		
△ D402-409			HSS104A	DIODE		
△ D402-409			1SS133	DIODE		
D410,411			MTZJ20(B)	ZENER DIODE		
D410,411			RD20ES(B)	ZENER DIODE		
D412			HSS104A	DIODE		
D412			1SS133	DIODE		
△ D421,422			D3SBA20F03	DIODE		
△ D423-426			1T2	DIODE		
D427			HSS104A	DIODE		
D427			1SS133	DIODE		
D428			MTZJ10(B)	ZENER DIODE		
D428			RD10ES(B)	ZENER DIODE		

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D429			HSS104A	DIODE		
D429			1SS133	DIODE		
D430			MTZJ3.9(B)	ZENER DIODE		
D430			RD3.9ES(B)	ZENER DIODE		
D431-433			HSS104A	DIODE		
D431-433			1SS133	DIODE		
D434-436			S5688B(TPB5)	DIODE		
D437			MA111	DIODE		
D440,441			S5688B(TPB5)	DIODE		
△ D442-445			HSS104A	DIODE		
△ D442-445			1SS133	DIODE		
D446-448			DA204U	DIODE		
D446-448			MA143A	DIODE		
D446-448			1SS302	DIODE		
D501			MTZJ6.2(B)	ZENER DIODE		
D501			RD6.2ES(B)	ZENER DIODE		
ED501		*	HNA-16MM30T	FLUORESCENT INDICATOR TUBE		
IC1		*	M61510FP	ANALOGUE IC		
IC3			HD74LV1G08A	MOS-IC		
IC11		*	MN101C49KLA	MI-COM IC		
IC12			S-80840ANY	ANALOGUE IC		
IC21		*	AN8806SBM	ANALOGUE IC		
IC22			MN662748RPMFA	MOS-IC		
IC23		*	AN4801SB-E1	ANALOGUE IC		
IC24			NJM4565MD	IC(OP AMP X2)		
△ IC25			TA7805SB	ANALOGUE IC		
IC31			TA2099N	ANALOGUE IC		
IC32			LC72131	MOS-IC		
△ IC51			XC62HR5102P	ANALOGUE IC		
△ IC52		*	SLA3008M	ANALOGUE IC		
△ IC53		*	LA4262	ANALOGUE IC		
△ IC54			SI-3050J	ANALOGUE IC		
IC61		*	M66004-001FPG	MOS-IC		
Q101			2SC4081(R,S)	TRANSISTOR		
Q101			2SD1819A(Q,R)	TRANSISTOR		
Q201			2SA1577(Q,R)	TRANSISTOR		
Q203			2SC4081(R,S)	TRANSISTOR		
Q203			2SD1819A(Q,R)	TRANSISTOR		
Q204			2SA1577(Q,R)	TRANSISTOR		
Q205			2SC4081(R,S)	TRANSISTOR		
Q205			2SD1819A(Q,R)	TRANSISTOR		
Q301			DTA114EUA	DIGITAL TRANSISTOR		
Q301			UN5111	DIGITAL TRANSISTOR		
Q401			2SC2785(F,E)	TRANSISTOR		
Q402			2SA1175(F,E)	TRANSISTOR		
Q403			2SC3940A(R,S)	TRANSISTOR		
Q405,406			DTA124ESA	DIGITAL TRANSISTOR		
Q405,406			UN4112	DIGITAL TRANSISTOR		
Q411,412			2SC2878(B)	TRANSISTOR		
Q501,502			HN1C01F	DUAL TRANSISTOR		
Q503			2SC4081(R,S)	TRANSISTOR		
Q503			2SD1819A(Q,R)	TRANSISTOR		
A301		*	W02-2786-05	FM FRONT-END ASSY		
A501			W02-2734-05	OPTIC RECEIVING MODULE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
RECORD/PLAYBACK (X28-3130-00)						
C1 ,2			CC73GCH1H681J	CHIP C 680PF J		
C3 ,4			CQ93FMG1H822J	MYLAR 8200PF J		
C5 ,6			CQ93FMG1H393J	MYLAR 0.039UF J		
C7 ,8			CE04LW1H100M	ELECTRO 10UF 50WV		
C9 ,10			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C11 ,12			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C13 ,14			CE04LW1H100M	ELECTRO 10UF 50WV		
C15 ,16			CC45FSL1H221J	CERAMIC 220PF J		
C17 ,18			CC73GCH1H221J	CHIP C 220PF J		
C19 ,20			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C21 ,22			CK73GB1H472K	CHIP C 4700PF K		
C100			CE04PW1A101M	ELECTRO 100UF 10WV		
C101			CE04PW1H010M	ELECTRO 1UF 50WV		
C103			CE04PW1E470M	ELECTRO 47UF 25WV		
C104			CE04PW1H4R7M	ELECTRO 4.7UF 50WV		
C105			CE04PW1H010M	ELECTRO 1UF 50WV		
C106			CE04PW1H100M	ELECTRO 10UF 50WV		
C107 ,108			CQ93FMG1H472J	MYLAR 4700PF J		
C109			CQ93FMG1H183J	MYLAR 0.018UF J		
C110			CE04PW1E470M	ELECTRO 47UF 25WV		
C111			CQ93HP2A822J	MYLAR 8200PF J		
C114			CE04PW1A101M	ELECTRO 100UF 10WV		
CN1		*	E40-4910-05	FLAT CABLE CONNECTOR		
CN2			E40-4937-05	FLAT CABLE CONNECTOR		
CN3			E40-3250-05	PIN ASSY		
E1 -3			J11-0808-05	WIRE CLAMPER		
L1 ,2			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L3		*	L32-1038-05	BIAS OSCILATING COIL		
L4			L40-1001-82	SMALL FIXED INDUCTOR(10UH)		
R1 ,2			RK73GB1J224J	CHIP R 220K J 1/16W		
R3 ,4			RK73GB1J103J	CHIP R 10K J 1/16W		
R5 ,6			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R7 ,8			RK73GB1J752J	CHIP R 7.5K J 1/16W		
R9 ,10			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R11 ,12			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R13 ,14			RK73GB1J432J	CHIP R 4.3K J 1/16W		
R15 ,16			RK73GB1J153J	CHIP R 15K J 1/16W		
R17 ,18			RK73GB1J103J	CHIP R 10K J 1/16W		
R19 ,20			RK73GB1J473J	CHIP R 47K J 1/16W		
R21 -24			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R25 ,26			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R100			RD14NB2E4R7J	RD 4.7 J 1/4W		
R101			RK73GB1J223J	CHIP R 22K J 1/16W		
R103			RK73GB1J101J	CHIP R 100 J 1/16W		
R104 ,105			RK73GB1J103J	CHIP R 10K J 1/16W		
R107			RK73GB1J103J	CHIP R 10K J 1/16W		
R110			RK73GB1J183J	CHIP R 18K J 1/16W		
R111 ,112			RK73GB1J103J	CHIP R 10K J 1/16W		
R113			RD14NB2E100J	RD 10 J 1/4W		
R118 ,119			RK73GB1J473J	CHIP R 47K J 1/16W		
R120			RK73GB1J222J	CHIP R 2.2K J 1/16W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R122			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R123			RD14NB2E1R0J	RD 1 J 1/4W		
R125			RK73GB1J473J	CHIP R 47K J 1/16W		
VR1 ,2			R12-6013-05	TRIMMING POT.(330K)		
W50			R92-0670-05	CHIP R 0 OHM		
D1 ,2			HSS104A	DIODE		
D1 ,2			1SS133	DIODE		
D4			S5688B(TPB5)	DIODE		
IC1		*	HA12230NT	ANALOGUE IC		
Q1 ,2			2SB1424(Q,R)	TRANSISTOR		
Q3			DTC143TSA	DIGITAL TRANSISTOR		
Q3			UN4216	DIGITAL TRANSISTOR		
Q4			KRC103M	DIGITAL TRANSISTOR		
Q4			UN4212	DIGITAL TRANSISTOR		
Q5 ,6			DTC124EUA	DIGITAL TRANSISTOR		
Q5 ,6			UN5212	DIGITAL TRANSISTOR		
Q8			KTC3205	TRANSISTOR		
Q8			2SC3940A(R,S)	TRANSISTOR		
Q9 ,10			KTC3199(Y,GR)	TRANSISTOR		
Q9 ,10			2SC2785(F,E)	TRANSISTOR		
Q15 -18		*	RK7002	FET		
Q19			DTC124EUA	DIGITAL TRANSISTOR		
Q19			UN5212	DIGITAL TRANSISTOR		
MD CONTROL (X33-1260-00)						
C1		*	CK73GB1C104K	CHIP C 0.10UF K		
C2 ,3			CE32AP0J101M	CHIP EL 100UF 6.3WV		
C5			CK73GB1C104K	CHIP C 0.10UF K		
C7			CK73GB0J474K	CHIP C 0.47UF K		
C8			CK73GF1E104Z	CHIP C 0.10UF Z		
C8		*	CK73GF1H104Z	CHIP C 0.10UF Z		
C9			CK73GB1H472K	CHIP C 4700PF K		
C10			CC73GCH1H101J	CHIP C 100PF J		
C11			CK73GB0J474K	CHIP C 0.47UF K		
C12			CK73GB1E153K	CHIP C 0.015UF K		
C13			CK73GF1E104Z	CHIP C 0.10UF Z		
C13		*	CK73GF1H104Z	CHIP C 0.10UF Z		
C14			CC73GCH1H100D	CHIP C 10PF D		
C18			CK73GB1E103K	CHIP C 0.010UF K		
C22 ,23			CK73GF1E104Z	CHIP C 0.10UF Z		
C22 ,23		*	CK73GF1H104Z	CHIP C 0.10UF Z		
C30			CE32AP1C100M	CHIP EL 10UF 16WV		
C31		*	CE32AP0J101M	CHIP EL 100UF 6.3WV		
C32			CK73GB1H222K	CHIP C 2200PF K		
C35		*	C92-0232-05	ELECTRO 10UF 16WV		
C36			CK73GF1E104Z	CHIP C 0.10UF Z		
C36		*	CK73GF1H104Z	CHIP C 0.10UF Z		
C37			CK73GB1H222K	CHIP C 2200PF K		
C38			CK73GF1E104Z	CHIP C 0.10UF Z		
C38		*	CK73GF1H104Z	CHIP C 0.10UF Z		
C39		*	C92-0232-05	ELECTRO 10UF 16WV		
C40			C91-1597-05	CERAMIC 4.7UF Z		
C41			C93-0032-05	CHIP C 10UF 10WV		
C42 ,43			CK73GB1H471K	CHIP C 470PF K		
C45		*	CE32AP0J101M	CHIP EL 100UF 6.3WV		

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PARTS LIST

MDX-G3

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
C46 -48		*	CK73GF1E104Z	CHIP C	0.10UF	Z
C46 -48		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C51		*	C92-0232-05	ELECTRO	10UF	16WV
C52		*	CK73GF1E104Z	CHIP C	0.10UF	Z
C52		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C54			CK73GB1E223K	CHIP C	0.022UF	K
C55			CK73GB1H102K	CHIP C	1000PF	K
C56			CK73GF1A105Z	CHIP C	1.0UF	Z
C57			CK73GB1C104K	CHIP C	0.10UF	K
C58			CK73GB1E103K	CHIP C	0.010UF	K
C59			CK73GB1E223K	CHIP C	0.022UF	K
C60			CE32AP1C100M	CHIP EL	10UF	16WV
C62			CK73GB1C104K	CHIP C	0.10UF	K
C63			CK73GB1E103K	CHIP C	0.010UF	K
C64			CK73GB1E223K	CHIP C	0.022UF	K
C65			CK73GB1A224K	CHIP C	0.22UF	K
C66			CK73GF1A105Z	CHIP C	1.0UF	Z
C67			CK73GB1H472K	CHIP C	4700PF	K
C68			CK73GB1C683K	CHIP C	0.068UF	K
C69			CK73GB1E223K	CHIP C	0.022UF	K
C71 ,72		*	CK73GF1E104Z	CHIP C	0.10UF	Z
C71 ,72		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C73 ,74		*	CK73GF1A105Z	CHIP C	1.0UF	Z
C75		*	CK73GF1E104Z	CHIP C	0.10UF	Z
C75		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C76			CK73GB0J474K	CHIP C	0.47UF	K
C80		*	CE32AP0J101M	CHIP EL	100UF	6.3WV
C81		*	CK73GF1E104Z	CHIP C	0.10UF	Z
C81		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C82 -85		*	CK73GB1H152K	CHIP C	1500PF	K
C86 -89			CC73GCH1H391J	CHIP C	390PF	J
CN1			E40-8401-05	FLAT CABLE CONNECTOR		
CN3		*	E40-8687-05	FLAT CABLE CONNECTOR		
L1 -4			L79-1216-05	LINE FILTER		
L1 -4			L92-0075-05	CHIP FERRITE		
L8			L79-1216-05	LINE FILTER		
L8			L92-0075-05	CHIP FERRITE		
X1		*	L77-2328-05	CRYSTAL OSCILLATOR(16.9344MHZ)		
X2		*	L78-0722-05	OSCILLATOR (10MHZ)		
R3 -6			RK73GB1J221J	CHIP R	220	J 1/16W
R8 -10			RK73GB1J103J	CHIP R	10K	J 1/16W
R12			RK73GB1J3R3J	CHIP R	3.3	J 1/16W
R14			RK73GB1J104J	CHIP R	100K	J 1/16W
R15			RK73GB1J684J	CHIP R	680K	J 1/16W
R16			RK73GB1J101J	CHIP R	100	J 1/16W
R17			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R18			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R19			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R20			RK73GB1J151J	CHIP R	150	J 1/16W
R21 ,22			RK73GB1J103J	CHIP R	10K	J 1/16W
R23			RK73GB1J104J	CHIP R	100K	J 1/16W
R24 -26		*	RK73GB1J101J	CHIP R	100	J 1/16W
R30		*	R92-1969-05	METAL GLAZE	200	F 1/16W

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R31		*	R92-1970-05	METAL GLAZE	360	F 1/16W
R35			RK73GB1J1R0J	CHIP R	1	J 1/16W
R36 ,37			RK73GB1J101J	CHIP R	100	J 1/16W
R39 ,40			RK73GB1J471J	CHIP R	470	J 1/16W
R41			RK73GB1J221J	CHIP R	220	J 1/16W
R42			RK73GB1J133J	CHIP R	13K	J 1/16W
R43			RK73GB1J183J	CHIP R	18K	J 1/16W
R45			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R46			RK73GB1J4R7J	CHIP R	4.7	J 1/16W
R47 ,48			RK73GB1J473J	CHIP R	47K	J 1/16W
R49			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R50			RK73GB1J101J	CHIP R	100	J 1/16W
R51			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R52 -55			RK73GB1J474J	CHIP R	470K	J 1/16W
R56 -58			RK73GB1J473J	CHIP R	47K	J 1/16W
R59 ,60			RK73GB1J103J	CHIP R	10K	J 1/16W
R62			RK73GB1J473J	CHIP R	47K	J 1/16W
R64			RK73GB1J473J	CHIP R	47K	J 1/16W
R65 ,66			RK73GB1J101J	CHIP R	100	J 1/16W
R67 -69			RK73GB1J473J	CHIP R	47K	J 1/16W
R70			RK73GB1J3R3J	CHIP R	3.3	J 1/16W
R71			RK73GB1J563J	CHIP R	56K	J 1/16W
R72 ,73			RK73GB1J133J	CHIP R	13K	J 1/16W
R75 ,76			RK73GB1J104J	CHIP R	100K	J 1/16W
R77			RK73GB1J103J	CHIP R	10K	J 1/16W
R78			RK73GB1J101J	CHIP R	100	J 1/16W
R79			RK73GB1J561J	CHIP R	560	J 1/16W
R80			RK73GB1J101J	CHIP R	100	J 1/16W
R82			RK73GB1J101J	CHIP R	100	J 1/16W
R83 ,84			RK73GB1J103J	CHIP R	10K	J 1/16W
R85			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R86			RK73GB1J474J	CHIP R	470K	J 1/16W
R87			RK73GB1J335J	CHIP R	3.3M	J 1/16W
R88			RK73GB1J474J	CHIP R	470K	J 1/16W
R89			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R93			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R94			RK73GB1J681J	CHIP R	680	J 1/16W
R95			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R96			RK73GB1J104J	CHIP R	100K	J 1/16W
R97			R92-1853-05	CHIP-RN	1	1/4W
R98			R92-1854-05	RN	2.2	K 1/2W
R99			RK73GB1J103J	CHIP R	10K	J 1/16W
R100			RK73GB1J473J	CHIP R	47K	J 1/16W
R101-103			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R112,113			RK73GB1J223J	CHIP R	22K	J 1/16W
R114,115			RK73GB1J104J	CHIP R	100K	J 1/16W
R116			RK73GB1J1R0J	CHIP R	1	J 1/16W
R117,118			RK73GB1J183J	CHIP R	18K	J 1/16W
R119,120			RK73GB1J104J	CHIP R	100K	J 1/16W
R121			RK73GB1J183J	CHIP R	18K	J 1/16W
R122,123			RK73GB1J104J	CHIP R	100K	J 1/16W
R124-126			RK73GB1J183J	CHIP R	18K	J 1/16W
R127,128			RK73GB1J104J	CHIP R	100K	J 1/16W
R129			RK73GB1J514J	CHIP R	510K	J 1/16W
W2 -6			R92-0679-05	CHIP R	0 OHM	

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S1		*	S68-0133-05	PUSH SWITCH		
S2 ,3		*	S64-0052-05	LEVER SWITCH		
S4		*	S68-0132-05	PUSH SWITCH		
S5		*	S64-0052-05	LEVER SWITCH		
D1 ,2		*	FS1J6TP	DIODE		
D3 ,4			MA111	DIODE		
D5 ,6		*	S1B	DIODE		
IC1			CXD2662R	MOS-IC		
IC2			CXA2523AR	IC(RF SERVO)		
IC2		*	CXA2523AR*	IC		
IC3		*	HD6432227N14FA	IC		
IC4		*	BA5984FP	IC(GD POWER DRIVER)		
IC5			LC32S4400T-10	IC		
IC6		*	RC1117ST	IC		
IC7			BR24C02F	IC(E2PROM)		
IC7			S-24C02BFJ-TB	IC(MEMORY IC)		
IC8		*	BD7910FV	MOS-IC		
IC10			AK4550VT	MOS-IC		
IC11		*	C6006AZ	IC		
Q1		*	UMW1N	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q3			2SB798-DL	TRANSISTOR		
Q4			DTA144EUA	DIGITAL TRANSISTOR		
Q5 ,6			DTC114YUA	DIGITAL TRANSISTOR		
Q7			DTA124EUA	DIGITAL TRANSISTOR		
Q8			DTC124EUA	DIGITAL TRANSISTOR		
Q9			2SA1576A(R,S)	TRANSISTOR		
Q10			DTC124EUA	DIGITAL TRANSISTOR		
Q11			DTA144EUA	DIGITAL TRANSISTOR		
MD MECHANISM (D40-1702-05) MDM-07(1)						
201	1B	*	A10-3531-08	CHASSIS TU		
202	2B	*	J19-6125-08	BRACKET ASSY		
203	2B	*	G02-1716-08	FLAT SPRING	THRUST	
204	3A	*	D13-2510-08	RACK	GEAR	
205	2B	*	D10-3958-08	LEVER	LIMIT	
206	2A	*	A11-1189-08	SUB CHASSIS ASSY		
207	2A	*	D10-3959-08	ARM ASSY	MAIN	
208	2A	*	D10-3961-08	LEVER ASSY	HEAD	
209	1A	*	D10-3963-08	SLIDER	MAIN	
210	2A	*	D13-2511-08	GEAR	FINAL	
211	3A	*	J19-6127-08	HOLD ASSY		
212	2B	*	A15-0106-08	FRAME		
213	1A	*	F11-0503-08	SHIELD CASE		
215	2B	*	D10-3982-08	ROD	SUB	
216	2B	*	D10-3957-08	ROD		
218	1B	*	A11-1187-08	SUB CHASSIS ASSY,TU		
219	1B	*	D13-2504-08	GEAR	LOAD A	
220	2B	*	D13-2505-08	GEAR	LOAD B	
221	2B	*	D13-2516-08	GEAR	LOAD C	
224	2B	*	D13-2509-08	GEAR	INTERMEDIATE	
225	3A	*	D10-3964-08	SLIDER	LOAD	
226	3A	*	D10-3965-08	ARM	LOAD	
227	2B	*	J02-1492-08	INSULATOR		
228	1B	*	G01-4230-08	TORSION SPRING SPM		
229	2B	*	G01-4231-08	TENSION SPRING		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* New Parts
 Parts without **Parts No.** are not supplied.
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
 Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
230	2A	*	G01-4235-08	TENSION SPRING		
231	2A	*	G01-4233-08	TORSION SPRING		
232	3A	*	G01-4234-08	TENSION SPRING		
233	3B		N39-1745-46	SCREW	M1.7X4.5	
234	3A		N09-3104-05	SCREW	M1.7X2	
235	3A,2B	*	N09-3279-05	SCREW	M1.7X3	
236	2A,2B	*	N09-5113-08	SCREW	1.7X7	
237	2B	*	N09-5229-08	SCREW	1.4X1.8	
238	1B	*	N09-5230-08	SCREW	1.4X2.2	
239	1B,2B	*	N09-5231-08	SCREW	1.7X4	
240	1A		N86-2004-46	SCREW	2X4	
241	2A,2B		N19-0366-04	FLAT WASHER	2.1X4X0.5	
242	2B	*	N19-1511-08	FLAT WASHER	2.5X0.9X0.25	
243	2A		N19-1171-04	FLAT WASHER	1.6X3.5X0.25	
244	2B	*	N09-5285-08	SCREW	M1.7X4.5	
250	3B,2E	*	E35-2691-08	FLAT CABLE	L=80MM	
251	3B	*	E35-2348-18	FLAT CABLE	PU,21P	
255	2B	*	D13-2506-08	GEAR ASSY		
256	3B	*	G16-1236-08	SHEET		
257	3B	*	G11-2825-08	TAPE		
DMMD	1B	*	T42-0983-05	MOTOR ASSY		
FMMD	2A	*	T42-0985-08	MOTOR ASSY	FEED	
LMMD	1B	*	T42-0984-08	MOTOR ASSY	LOAD	
PUMD	3A	*	T25-0085-05	PICKUP		
RHMD	3A	*	T30-0027-05	RECORD HEAD		

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PARTS LIST

MDX-G3

SPECIFICATIONS

Amplifier section

Rated output power during STEREO operation
 1kHz, 10%, 4Ω 4 W + 4 W

Tuner section

FM tuner
 Tuning frequency range87.5 MHz ~ 108 MHz

AM tuner
 Tuning frequency range
531 kHz ~ 1,602 kHz

MD Recorder section
 Laser wave length..... 765 to 805 nm
 Laser power class Class 3B
 LaserSemiconductor laser
 Recording method
Field modulating overwriting

Audio compression
ATRAC,ATRAC3

D/A conversion1 Bit

Wow & flutterUnmeasurable limit

CD Player section

Laser wave length..... 760 to 800 nm

Laser power class..... Class 1

LaserSemiconductor laser

D/A conversion1 Bit

Over sampling frequency8 fs (352.8 kHz)

Frequency response20 Hz to 20 kHz

Wow & flutterUnmeasurable limit

Cassette Deck section

Track 4-track, 2-channel stereo

Recording systemAC bias (Frequency: 105 kHz)

Heads
 Playback/recording headx 1
 Erasing headx 1

Fast winding time.....Approx. 110 sec. (C-60 tape)

Speakers

Enclosures Bass-reflex type

Speaker units 80 mm, cone type

General

Power consumption 35 W

DimensionsW : 409 mm (16-1/8")

H : 172 mm (6-3/4")

D : 225 mm (8-7/8")

Weight (net) 5.6 kg (12.3 lb)



- KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
- The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

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